					Ampero FX List -	FX1 (70)			
					Parameters & Range				
No.	FX Name	1	Page 1 2	T 2	1	Page 2	3	Page 3	Descristion
		1	2	3		2	3	1	
		Sustain	Output		Dynamic				<u> </u>
		0-100	0-100						
1	Comprosso	Controls the compression amount	Controls the effect output volume						Based on the legendary Ross™ Compressor
		Sustain	Attack	Output	Clipping				
2	Comparoma 4	0-100	0-100	0-100	0-100				Based on the Keeley® C4 4-knob compressor∗
2	Comparoma 4	Controls the compression amount	Controls how soon the compressor starts to process the signal	Controls the effect output volume	Controls the input sensivity				based of the recity® 644 kinds compressor
		Sustain	Attack	Output					
3	Blue Sustainer	0-100	0-100	0-100					Based on a legendary 3-knob VCA blue compressor/sustainer
		Controls the compression amount	Controls how soon the compressor starts to process the signal	Controls the effect output volume			_		
		Threshold	Ratio	Output	Attack	Release	Tone		
		0-100	0-100	0-100	0-100	0-100	0-100		
4	Squeezer	Controls the compression threshold	Controls the compression ratio	Controls the effect output volume	Controls how soon the compressor starts to process the signal	Controls how soon the compressor starts to release the signal level back to normal after the level drops below the threshold	Controls the effect tone brightness		Flexible, fully adjustable compressor effect
		Gain	Volume	Bass	Treble				
5	Affinity Boost	0-100	0-100	0-100	0-100				Based on famous Xotic® AC Booster* pedal
		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount				
	D. (D	Gain	Volume	Bass	Treble				December 1. Visit C DDD
6	Beefy Boost	0-100	0-100	0-100	0-100				Based on famous Xotic® BB Preamp* pedal
		Coin Coin	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount				
		Gain	Volume	Bass	Treble				
7	Pristine Boost	0-100	0-100	0-100	0-100				Based famous on Xotic® RC Booster∗ pedal
		Controls the gain amount Bass	Controls the effect output volume Treble	Controls the low frequency amount Volume	Controls the high frequency amount Low Cut				
		0-100	0-100	0-100	Off/On				
8	FET Boost	Controls the low frequency amount	Controls the high frequency amount	Controls the effect output volume	Switches the low cut (-6dB/oct @200Hz) filter on/off				Based on legendary green dip-on FET Preamp
		+3dB Off/On	Bright Off/On	Volume					
0	Epolo a a a a a ·			0-100					
9	Enhancer	Switches min. boost	Switches extra brightness on/off	0-100 Controls the effect output volume					Based on famous Xotic® EP Booster* pedal
9	Ennancer	Switches min. boost amount from 0dB to +3dB			Frequency				Based on famous Xotic® EP Booster∗ pedal
9	∟nnancer				Frequency Mode				Based on famous Xotic® EP Booster* pedal
9	Ennancer	amount from 0dB to +3dB	Switches extra brightness on/off	Controls the effect output volume					Based on famous Xotic® EP Booster* pedal
1	AC Sim	amount from 0dB to +3dB Body	Switches extra brightness on/off Top	Controls the effect output volume Volume	Mode				Based on famous Xotic® EP Booster* pedal Acoustic guitar simulator designed for guitars
1		Body 0-100 Controls the body resonance Sens	Switches extra brightness on/off Top 0-100 Controls the upper harmonics	Volume 0-100 Controls the effect output volume 0-toutput	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo				Acoustic guitar simulator designed for guitars
1 2		Body 0-100 Controls the body resonance	Switches extra brightness on/off Top 0-100 Controls the upper harmonics	Volume 0-100 Controls the effect output Controls the effect output Decay 0-100	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup				Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides
1 2	AC Sim	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup				Acoustic guitar simulator designed for guitars
1 2	AC Sim	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix	Mode			Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides
1 2	AC Sim	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup				Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides
1 2 3	AC Sim	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix	Mode			Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel
	AC Sim Dynamic Basso	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes	High	Sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides a natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists and
3	AC Sim Dynamic Basso Toucher	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100	Controls the effect output volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100	Mode Guitar/Bass	High 0-100	Sync Off/On	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides a natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists and bassists that is touch-sensitive and flexible
	AC Sim Dynamic Basso	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes	-		Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists an
3	AC Sim Dynamic Basso Toucher	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth 0-100	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range Rate 0-100 Controls the effect speed	Controls the effect output volume O-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q Volume 0-100	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes Q 0-100	0-100 Controls the filter high	Off/On Switches Tap Tempo sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists an bassists that is touch-sensitive and flexible
3	AC Sim Dynamic Basso Toucher Crier	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth 0-100 Controls the effect depth Range 0-100	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range Rate 0-100 Controls the effect speed	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q Volume 0-100 Controls the effect output	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes Q 0-100	0-100 Controls the filter high	Off/On Switches Tap Tempo sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists an bassists that is touch-sensitive and flexible Providing a variable auto wah effect for both guitars and basses
3	AC Sim Dynamic Basso Toucher	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth 0-100 Controls the effect depth Range 0-100 Controls the filter frequency range	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range Rate 0-100 Controls the effect speed Q 0-100 Controls the filter Q	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q Volume 0-100 Controls the effect output Volume 0-100 Controls the effect output	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes Q 0-100	0-100 Controls the filter high	Off/On Switches Tap Tempo sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists an bassists that is touch-sensitive and flexible
3	AC Sim Dynamic Basso Toucher Crier Voxy Wah	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth 0-100 Controls the effect depth Range 0-100 Controls the filter	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range Rate 0-100 Controls the effect speed Q 0-100	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q Volume 0-100 Controls the effect output	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes Q 0-100	0-100 Controls the filter high	Off/On Switches Tap Tempo sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists an bassists that is touch-sensitive and flexible Providing a variable auto wah effect for both guitars and basses Based on legendary VOX® V846* wah pedal
3	AC Sim Dynamic Basso Toucher Crier	Body 0-100 Controls the body resonance Sens 0-100 Controls the sensitivity Sens 0-100 Controls the sensitivity Depth 0-100 Controls the effect depth Range 0-100 Controls the filter frequency range Range	Switches extra brightness on/off Top 0-100 Controls the upper harmonics Res 0-100 Controls the filter resonance Range 0-100 Contols the filter center frequency range Rate 0-100 Controls the effect speed Q 0-100 Controls the filter Q Q	Controls the effect output volume Volume 0-100 Controls the effect output Decay 0-100 Contols how fast the filter goes back to the resting point Q 0-100 Controls the filter Q Volume 0-100 Controls the effect output Volume 0-100 Controls the effect output Volume 0-100 Controls the effect output	Mode Standard/Jumbo/Enhanced/Piezo Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup Mix 0-100 Controls the wet/dry signal ratio	Mode Guitar/Bass Switches from guitar/bass modes Q 0-100	0-100 Controls the filter high	Off/On Switches Tap Tempo sync	Acoustic guitar simulator designed for guitars A special envelope filter (a.k.a. touch wah) designed for bassists, provides natural, smooth sound full of analog feel A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists ar bassists that is touch-sensitive and flexible Providing a variable auto wah effect for both guitars and basses

		_	_		l	l		
		Range	Q 0.100	Volume				
7	Petrus Wah	0-100	0-100	0-100				Based on famous Dunlop® CryBaby® JP95* wah pedal
	1	Controls the filter frequency range	Controls the filter Q	Controls the effect output				
		Range	0	Volume				
	0.10	0-100	0-100	0-100				
8	Soul Press	Controls the filter						Based on Hotone Soul Press (WAH mode)
	<u> </u>	frequency range	Controls the filter Q	Controls the effect output				
	1	Range	Q	Volume				
9	Bass Press	0-100	0-100	0-100				Based on Hotone Bass Press (WAH mode)
		Controls the filter	Controls the filter Q	Controls the effect output				
		frequency range Low Oct	High Oct	Dry				
	1	0-100	0-100	0-100				
10	Clean Octa	Controls the lower octave						Provides polyphonic octave effect
	1	volume	Controls the higher octave volume	Contols the dry signal level				
		Oct 1	Oct 2	Dry				
11	Dirty Octa	0-100	0-100	0-100				Provides distorted polyphonic octave effect with distortion
		Controls the lower octave	Controls the higher octave volume	Contols the dry signal level				Trovidos distortos polypriorilo oscaro eriose men distortion
	 	volume			Hi Valuera	1 a \ / a l a a		
	1	Hi Pitch 0~+24	Low Pitch 0~-24	Dry 0-100	Hi Volume 0-100	Low Volume 0-100		
12	Harmony		0*24	0-100	0-100	0-100		Polyphonic pitch shifter/harmonizer based on Hotone Harmony
		Controls the lower pitch	Controls the higher pitch by half notes	Controls the dry singal level	Controls the high pitch volume	Controls the low pitch volume		, , ,
	1	by half notes	<u> </u>		G .	·		
		Noise	Shake					
13	Telephone Line	0-100	0-100					Simulates vintage telephone effect
15	relephone Line	Controls the backgroud	Controls the sound vibration					Simulates viitage telephone effect
		noise amount						
1.4	Carlafaaria	Saturation	Mix	Output	High Cut			Vintage tape saturation simulater providing analog warmth and natural
14	Satisfaction	0-100 Controls the gain amount	0-100 Controls the wet/dry signal ratio	0-100 Controls the effect output	0-100 Controls the effect high cut amount			distortion
		Step 1	Step 2	Step 3	Step 4	Rate	Sync	
		0-100	0-100	0-100	0-100	0-100	Off/On	
15	Path Filter			Landau and A Chan (along)			Switches Tap Tempo sync	A 4-step auto filter machine for creating synth-like sounds
	<u> </u>		Controls filter cen	ter frequency of 4 filters (steps)		Controls the effect speed	on/off	
		Mix	Krush	Bit	Hi Cut	Lo Cut		
16	Bit Krusher	0-100	0-100	0-100	0-100	0-100		Provides bitcrushing/sample reducing effect with musical fashion
		Contols the wet/dry signal	Controls the downsampling rate	Controls the bit depth	Controls the high cut amnount	Controls the low cut amount		
	 	ratio Mix	Freq	Fine	Tone			
	1	0-100	0-100	-50~0~+50	0-100			A ring modulator for creating intresting inharmonic frequency spectra (like
17	Ring Mod	Contols the wet/dry signal		Fine tune the modulation frequency by				bells and chimes)
	1	ratio	Controls the modulation frequency	1Hz	Controls the tone brightness			
					Overdrive/Disto	ortion		
	1	Gain	Tone	Volume				
1	C D.: .	0-100						
1	Green Drive		0-100	0-100				
	1	Controls the gain amount		0-100				Based on legenary Ibanez® TS-808 Tube Screamer® * overdrive pedal
	Į.	Controls the gain amount	0-100 Controls the tone brightness					Based on legenary Ibanez® TS-808 Tube Screamer®* overdrive pedal
		Controls the gain amount Gain		0-100				Based on legenary Ibanez® TS-808 Tube Screamer®* overdrive pedal
		-	Controls the tone brigntness	0-100				_
2	Yellow Drive	Gain 0-100	Controls the tone brightness Volume 0-100	0-100				Based on legenary Ibanez® TS-808 Tube Screamer® * overdrive pedal Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals
2	Yellow Drive	Gain	Controls the tone brightness Volume	0-100				Based on the legendary 2-knob yellow overdrive pedal with thick, cream
2	Yellow Drive	Gain 0-100	Controls the tone brightness Volume 0-100	0-100				Based on the legendary 2-knob yellow overdrive pedal with thick, cream
2	Yellow Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume	0-100 Controls the effect output volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals
2	Yellow Drive Swarm Drive	Gain 0-100 Controls the gain amount Gain	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone	0-100 Controls the effect output volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering
		Gain 0-100 Controls the gain amount Gain	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone	0-100 Controls the effect output volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals
		Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering
		Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone	O-100 Controls the effect output volume Volume O-100 Controls the effect output volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering
3	Swarm Drive	Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the
		Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount Gain 0-100	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar
3	Swarm Drive	Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone	O-100 Controls the effect output volume Volume O-100 Controls the effect output volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the
3	Swarm Drive	Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount Gain 0-100	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100	Fat	Air		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the
3	Swarm Drive	Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount Gain 0-100 Controls the gain amount Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume	Fat Off/On	Air Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume Volume Volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry
3	Swarm Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Volume 0-100	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume Volume Volume Volume				Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Volume 0-100	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guita Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	O-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Volume 0-100	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guita Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	Controls the effect output volume Volume 0-100 Controls the effect output volume	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification
3	Swarm Drive Super Drive	Gain 0-100 Controls the gain amount Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Controls the tone brightness	Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Volume 0-100 Controls the effect output volume Controls the effect output volume Controls the effect output volume	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification Based on an legendary 3-knob Blues overdrive pedal providing full-range
3	Swarm Drive Super Drive Screamood	Gain 0-100 Controls the gain amount Gain 0-100	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	Controls the effect output volume Volume 0-100 Controls the effect output volume	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification
3	Swarm Drive Super Drive Screamood	Gain 0-100 Controls the gain amount Controls the gain amount Gain 0-100 Controls the gain amount	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	Controls the effect output volume Volume 0-100 Controls the effect output volume	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification Based on an legendary 3-knob Blues overdrive pedal providing full-range
3	Swarm Drive Super Drive Screamood	Gain 0-100 Controls the gain amount Gain 0-100	Controls the tone brightness Volume 0-100 Controls the effect output volume Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness Tone 0-100 Controls the tone brightness	Controls the effect output volume Volume 0-100 Controls the effect output volume	Off/On	Off/On		Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guitar Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive dircuitry Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification Based on an legendary 3-knob Blues overdrive pedal providing full-range

1 1		0.100	0.100	0.100	LD/LID			
7	Force Drive	0-100	0-100	0-100	LP/HP			Based on legendary Fulltone® OCD® * V3 overdrive pedal
'	Torce Drive	Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Selects from two sound characters: LP: Neutral mode with natural response			based on legendary Fulltoness OCDs * v3 overdrive pedar
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	HP: High Peak mode with more distortion			
		Gain	Volume	Bass	Treble			
8	Tube Clipper	0-100	0-100	0-100	0-100			Based on legendary B. K. Butler® Tube Driver®* real tube overdrive pedal
_		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount			
		Gain	Tone	Volume	Voice			
9	Zen Garden	0-100	0-100	0-100	0-100			Based on legendary Hermida® Zendrive®* overdrive pedal
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Controls the upper harmonics character			
		Gain	Tone	Volume	Harmonics			
		Gairi	Tone	Volume	Harrionics			
		0-100	0-100	0-100	Off/On			
10	Direct Touch							Based on Barber® Direct Drive* overdrive with flat and natrural response
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Suitabas outra harmonias an /off			
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Switches extra harmonics on/off			
		Sustain	Tone	Volume				
		0-100	0-100	0-100				
11	D' - D' -							Based on legendary Electro-Harmonix® Big Muff Pi®* fuzz/distortion
11	Big Pie	Control of the control	Control the tree his brown	Control of the effect of the trade of				pedal
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume				
		Fuzz	Volume					
12	Face Fuzz	0-100	0-100					Based on legendary Dallas-Arbiter® Fuzz Face®* fuzz pedal
		Controls the gain amount	Controls the effect output volume					
40	5 15	Fuzz	Volume					
13	Bend Fuzz	0-100	0-100					Based on legendary Sola Sound® Tone Bender® Mkll* fuzz peal
		Controls the gain amount	Controls the effect output volume	Vil.				
		Gain	Filter	Volume				
14	Black Tail	0-100	0-100	0-100				Based on legendary ProCo™ The Rat* distortion (early LM308 OP-amp
14	DIACK TAIL		Conterclockwize controls the tone					version)
		Controls the gain amount	brightness	Controls the effect output volume				
		Gain	Volume					
15	Plustortion	0-100	0-100					Based on MXR® M104 Distortion +*, reproducing the legendary
10	Tradeoreion	Controls the gain amount	Controls the effect output volume					Germanium-powered soft clipping distortion
		Gain	Tone	Volume				
		0-100	0-100	0-100				
16	Smooth Dist	0 100	0 100	0 100				Based on the legendary 3-knob orange distortion released in late 1970s
10	SHOOTH DISC	Control the sein agents	Cantural athan tana a huisahtaana	Control of the offert output values				based on the regulatory of know orange distortion released in late 1970s
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume				
		Gain	Volume	Bass	Middle	Treble		
17	Governor	0-100	0-100	0-100	0-100	0-100		Based on Marshall® Guv' Nor* distortion pedal
		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the mid frequency amount	Controls the high frequency amount		
		Gain	Tone	Volume	controls the fina hequency amount	controls the mgn nequency amount		
18	Crunchist	0-100	0-100	0-100				Based on MI Audio® Crunch Box®* distortion peal, providing classic UK-
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume				style high gain stack sound
		Gain	Mode	Volume	Bass	Middle	Treble	
		0-100	Vintage/Modern	0-100	0-100	0-100	0-100	
19	Purple Plexi							Based on Wampler® Plexitortion* distortion pedal that inspired by UK
		Controls the gain amount	Selects from two different sound	Controls the effect output volume	Controls the low frequency amount	Controls the mid frequency amount	Controls the high frequency	Plexi-style amps
			characters: vintage/modern				amount	
		Gain	Tone	Volume	Tight			
		0-100	0-100	0-100	0-100			
20	Panama Lead							A tight, thick, raw distortion inspired by the legendary "Brown Sound"
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Controls the bottom resonance			
 		Gain	Blend	Volume	Bass	Treble		
21	Bass Crusher	0-100	0-100	0-100	0-100	0-100		Based on a yellow bass overdrive pedal with wide tonal range
	baco crasiioi	Controls the gain amount	Controls the wet/dry signal ratio	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount		bassa on a your bass of ordina poads man mas tends range
		Gain	Tone	Volume	Mode	Blend		
		0-100	0-100	0-100	Normal/Scoop/Edge	0-100		
22	المانيا المانيا				Selects from 3 different modes:			A boss division with sink policy and and flowible boss of special
22	Solid Steel	Controls the gain amount	Controls the tope brightness	Controls the effect output volume	Normal: Neutral mode	Controls the wet/day signal ratio		A bass drive with rich, solid sound and flexible tonal range
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Scoop: Mid-scooped mode	Controls the wet/dry signal ratio		
					Edge: A mode with boosted highs			
					Modulation			
		Depth	Rate	Tone	Sync			
		0-100	0-100	0-100	Off/On			Based on legendary Arion® SCH-1* stereo chorus pedal, producing classic
	A - OI							1980s chorus tone that loved by Eric Clapton and Michael Landau
1	Aozora Chorus	Company	Controle the election	Combania that take 1 1 1 1				
1	Aozora Chorus	Controls the chorus depth	Controls the chorus speed	Controls the tone brightness	Switches Tap Tempo sync on/off			
1	Aozora Chorus	·	<u> </u>					
2	Aozora Chorus Grand Choruium	Controls the chorus depth Depth 0-100	Rate	Controls the tone brightness Volume 0-100	Sync			Based on the legendary huge ensemble chorus pedal born in late 1970s
2		Depth	<u> </u>	Volume				Based on the legendary huge ensemble chorus pedal born in late 1970s (chorus mode), producing rich, shimmering vintage analog chorus tone

Part						<u> </u>				1
			Mode							
Page	3	Liquid C	1/2/3/4							Based on a legendary 4-button purple stereo chorus pedal, providing
Part		·	Selects from 4 sound							detailed rich chorus tone that expands sonic dimensions
Part						·			-	
Part	4	Aquaria M		0-100	0-100	0-100				
Part				Controls the chrous speed	Controls the tone brightness	Controls the chorus depth of left channel	The state of the s	· ·		Sound, better playing with stereo sound systems
Part				Rate	E.Level	Sync	Granno	rigine ditalilior	010 011	
Property Browness Prop	_	Charuium P	0-100	0-100	0-100					Daned on the femous encomble shorts unit tuned for besists
Part	3	Citorulum B	Controls the charus depth	Controls the chrous speed	Controls the effect output volume	Switches Tan Tempo sync on/off				based off the famous ensemble diords unit tuned for bassists
Part			· ·	<u> </u>	·	ewitaries rup rempe symeonizem				
Process			- J		-					
Part	6	Detune		0-100	0-100					
Part				Controls the effect output volume	Controls the dry signal level					CHORDS-TIKE LOTTE
Part			ž			5 "				
Part	7	letter					,			Classic flanging effect that is rich and natural
	,	Jetter								Glassic hanging check that is not and hatara
Part				·		Feedback				
Part	8	Jetter B	0-100	0-100	0-100	0-100	Off/On			Classic flanging effect tuned for basses
Part				·						
Part	0	1 N			,		,			
Part	9	Jetter N								A flanger with negative feedback, producing "underwater" style sound
Page			3	•	' '		1 1 2	Fla Sync	Trm Sync	
Part	4.0					·	1. 1. 1.			
Part	10	Trem Jet	Controls the flanger death	Controls the flanging aread	Controls the feedback amount	Controls the trample donth	Controls the trample speed		Switches tremolo Tap Tempo	Combines flanger and tremolo in one
Part			- '			Controls the tremolo depth	Controls the tremolo speed	sync on/off	sync on/off	
Control Cont	4.4	D 1			· ·					Based on a BBD-based blue vibrato pedal, producing natural analog
Second	11	Pulser								· · · · · · · · · · · · · · · · · ·
1						Sync				
Part	12	Grand Vibrato				3 .				Based on the legendary huge ensemble chorus pedal born in late 1970s
10 10 10 10 10 10 10 10					Controls the output volume	Switches Tap Tempo sync on/off				(vibrato mode), producing rich, shimmering vintage analog vibrato tone
Part						,				
Sect	13	Shiver								A classic vibrato effect with wide adjustable range
1	-			•						
State Commence dependence of the first representation for the first re					·					
The content of the	14	Shiver T								A special vibrato with touch-sensitive dynamic depth control
10 10 10 10 10 10 10 10				Controls the effect speed	Controls the output volume	Switches Tap Tempo sync on/off				
Control the phase speed Section by processing Se										
Page	15	90 Phaser								Based on legendary MXR® M101 Phase 90∗
					Symp					
The first process of the phase right of the phase r			·	Hato	Off/On					
Controls the phaser depth	16	Green Phaser	0 200	0 100	5.17.511					Based on a legendary 2-knob green phaser with sharp sound character
Part			Contols the phaser depth	Controls the phaser speed	Switches Tap Tempo sync on/off					
Part										
Controls the phaser depth Controls the phaser speed Controls the output volume Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Pan Base										
Control the phaser depth Control the phaser speed Control the output volume Phaser Rate Phise Pepth Phase Rate Phise Pepth Phase Rate Phise Phise Phise Phise Phise Pepth Phise Rate Phise	17	Twirl N	0-100	0-100	0-100	0-100		0-100		A highly flexible phaser effect with 3 adjustable notch filters
Part Petro Petro Passer Reptro			Contols the phaser depth	Controls the phaser speed	Controls the output volume	LP:				
Twif P 0.100 0.1			Phaser Depth	Phaser Rate	Pan Depth	Pan Rate	Phs Sync	Pan Sync	011/011	
Controls the phaser depth Controls the phaser speed Controls the phaser speed Controls the tremolo/pan depth Part Sync Control the tremolo/pan depth Control the depth Sync Control the effect depth Control the effect depth Control the effect depth Control the effect speed Controls the effect depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Control the tremolo depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo Sync Control the tremolo Control the tremolo Sync Control the tremolo Selects from Sine/Triangle/Square/Sawtooth Waveforms Sine/Triangle/Square/Sawtooth Waveforms Switches Tap Tempo sync on/off Controls the waveform offset amount Control the tremolo with 4 different waveforms and super wide tonal rang Control the tremolo of depth Control the tremolo Control the tremolo depth Control the tremolo Sync Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Sync Co	10	T :45					,			A constal or halo above continuous substantinuous substantinuous substantinuous substantinuous substantinuous
Part of the part o	18	TWITI P		Controls the phaser speed	Controls the tremolo/pan depth	Controls the tremolo speed (mono) or	Switches phaser Tap Tempo sync on/off			A special, subtle phaser combines tremolo/pan variations
Minivibe Courtois the effect depth Controls the effect speed Switches Tap Tempo sync on/off			·		· · ·	panning speed (stereo)	Switches phaser rap rempo synt on/on	Tempo sync on/off		
Controls the effect depth Control the effect depth Rate Volume Mode Sync Off/On Strict effect depth Control the effect speed Control the output volume Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off S	10	A # 1 10								December 14 of the 15th
Part	19	Minivibe								Based on Voodoo Lab® Micro Vibe*
Revolver Passed on legendary Shin-ei® Uni-Vibe®*						Mode	Sync			
Controls the effect depth Controls the effect depth Controls the effect speed Controls the output volume Selects from two sound characters: Chorus/Vibrato Switches Tap Tempo sync on/off Depth Rate Sync	00	D 1					-			Donate Land Communication Comm
Per Helicopter Depth Rate Sync	20	Kevolver				Selects from two sound characters:				Based on legendary Shin-ei® Uni-Vibe®∗
Helicopter Helicopter Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off					· ·	Chorus/Vibrato	Switches Tap Tempo Syfic Off/Off			
Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off Leading Tempo sync on/off Controls the tremolo speed Switches Tap Tempo sync on/off Shape Bias Sync O-100 O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms										Developing the Company of TDM 4.7
depth Controls the tremolo speed Switches Tap Tempo sync on/off Depth Rate Volume Color Shape Bias Sync O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the tremolo speed Controls the tremolo waveforms offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms	21	Helicopter		0-100	Ott/On					
Pepth Rate Volume Color Shape Bias Sync 0-100 0-100 0-100 0-100 Sine/Triangle/Square/Sawtooth Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms		richopter		Controls the tremolo speed	Switches Tap Tempo sync on/off					acmolo sound
Custom Trem Controls the tremolo depth Controls the tremolo speed Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the output volume Controls the effect tone Controls the effect tone Sine/Triangle/Square/Sawtooth Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount A custom tremolo with 4 different waveforms and super wide tonal rang waveforms A custom tremolo with 4 different waveforms and super wide tonal rang waveforms				Rate	Volume	Color	Shape	Bias	Sync	
Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Controls the effect tone Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount on/off Ontrols the waveform offset amount										
depth Controls the tremolo speed Controls the output volume Controls the effect tone sine/triangle/square/sawtooth tremolo waveforms amount on/off	22	Custom Trem	Controls the tremolo					Controls the waveform offset	Switches Tan Tempo sync	A custom tremolo with 4 different waveforms and super wide tonal range
Waveforms				Controls the tremolo speed	Controls the output volume	Controls the effect tone				
				. Ti	manufacturors and product access visit	ioned above are trademarks as as sisters of the		domarke word used resemble to the		products

					Ampero FX List -	=X2 (70)			
					Parameters & Range				
No.	FX Name		Page 1		1	Page 2		Page 3	Descristion
		1	2	3	1 Overdrive/Disto	2 ortion	3	1	
		Gain	Tone	Volume	Overditve, bisto	ritori			
		0-100	0-100	0-100					
1	Green Drive	Controls the gain amount	Controls the tone brightness	Controls the effect output volume					Based on legenary Ibanez® TS-808 Tube Screamer® * overdrive pedal
		Gain 0-100	Volume 0-100						
2	Yellow Drive	0-100	0-100						Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals
		Controls the gain amount Gain	Controls the effect output volume Tone	Volume					like sound character, one of the earnest dift pedals
		0-100	0-100	0-100					-
3	Swarm Drive	Controls the gain amount	Controls the tone brightness	Controls the effect output volume					 Based on Providence® SOV-2 Stampede OD* overdrive pedal, delivering natural overdrive tone without affecting the sound character of your guital
		Gain	Tone	Volume					
		0-100	0-100	0-100					Based on the legendary 3-knob yellow overdrive pedal, reproducing the
4	Super Drive	Controls the gain amount	Controls the tone brightness	Controls the effect output volume					thick, warm sound produced by asymmetric overdrive circuitry
		Gain	Tone	Volume	Fat	Air			
		0-100	0-100	0-100	Off/On	Off/On			-
5	Screamood	Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Switches extra resonance on/off	Switch extra presence on/off			Classic overdrive Inspired by legendary TS-style overdrive served with its most enduring modification
		Gain	Tone	Volume					
6	Dr. Blues	0-100	0-100	0-100					Based on an legendary 3-knob Blues overdrive pedal providing full-range overdriven sound, great for both guitars and basses
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume					
		Gain	Tone	Volume	Mode				
_	5 D:	0-100	0-100	0-100	LP/HP				
,	Force Drive	Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Selects from two sound characters: LP: Neutral mode with natural response HP: High Peak mode with more distortion				Based on legendary Fulltone® OCD®* V3 overdrive pedal
8	Tube Clipper	Gain 0-100	Volume 0-100	Bass 0-100	Treble 0-100				Based on legendary B. K. Butler® Tube Driver®∗ real tube overdrive pedal
		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount				
0	Zen Garden	Gain	Tone	Volume	Voice				December 1 and a large de 2 7 and in 12 and in 12 and a
9	Zen Garden	0-100 Controls the gain amount	0-100 Controls the tone brightness	0-100 Controls the effect output volume	0-100 Controls the upper harmonics character				Based on legendary Hermida® Zendrive®* overdrive pedal
		Gain	Tone	Volume	Harmonics				
10	Direct Touch	0-100	0-100	0-100	Off/On				Based on Barber® Direct Drive* overdrive with flat and natrural response
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Switches extra harmonics on/off				
		Sustain	Tone	Volume					
11	Big Pie	0-100 Controls the gain amount	0-100 Controls the tone brightness	0-100 Controls the effect output volume					Based on legendary Electro-Harmonix® Big Muff Pi®* fuzz/distortion pedal
		Fuzz	Volume						
12	Face Fuzz	0-100	0-100						Based on legendary Dallas-Arbiter® Fuzz Face®* fuzz pedal
		Controls the gain amount	Controls the effect output volume						
13	Bend Fuzz	Fuzz 0-100	Volume 0-100						Based on legendary Sola Sound® Tone Bender® MkII* fuzz peal
		Controls the gain amount	Controls the effect output volume						
		Gain	Filter	Volume					
14	Black Tail	0-100	0-100	0-100					Based on legendary ProCo™ The Rat* distortion (early LM308 OP-amp
		Controls the gain amount	Conterclockwize controls the tone brightness	Controls the effect output volume					version)
15	Plustortion	Gain 0-100	Volume 0-100						Based on MXR® M104 Distortion +*, reproducing the legendary
15		Controls the gain amount	Controls the effect output volume						Germanium-powered soft dipping distortion
		Gain	Tone	Volume					
		0-100	0-100	0-100					
									-

16	Smooth Dist							Based on the legendary 3-knob orange distortion released in late 1970s
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume				
17	Governor	Gain 0-100	Volume 0-100	Bass 0-100	Middle 0-100	Treble 0-100		Based on Marshall® Guv' Nor* distortion pedal
		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the mid frequency amount	Controls the high frequency amount		
18	Crunchist	Gain 0-100	Tone 0-100	Volume 0-100				Based on MI Audio® Crunch Box®* distortion peal, providing classic UK-
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume				style high gain stack sound
		Gain	Mode	Volume	Bass	Middle	Treble	
		0-100	Vintage/Modern	0-100	0-100	0-100	0-100	Based on Wampler® Plexitortion* distortion pedal that inspired by UK
19	Purple Plexi	Controls the gain amount	Selects from two different sound characters: vintage/modern	Controls the effect output volume	Controls the low frequency amount	Controls the mid frequency amount	Controls the high frequency amount	Plexi-style amps
		Gain	Tone	Volume	Tight			
20	Panama Lead	0-100	0-100	0-100	0-100			A tight, thick, raw distortion inspired by the legendary "Brown Sound"
		Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Controls the bottom resonance			
		Gain	Blend	Volume	Bass	Treble		
21	Bass Crusher	0-100	0-100	0-100	0-100	0-100		Based on a yellow bass overdrive pedal with wide tonal range
		Controls the gain amount Gain	Controls the wet/dry signal ratio Tone	Controls the effect output volume Volume	Controls the low frequency amount Mode	Controls the high frequency amount Blend		
		0-100	0-100	0-100	Normal/Scoop/Edge	0-100		
22	Solid Steel	Controls the gain amount	Controls the tone brightness	Controls the effect output volume	Selects from 3 different modes: Normal: Neutral mode Scoop: Mid-scooped mode Edge: A mode with boosted highs	Controls the wet/dry signal ratio		A bass drive with rich, solid sound and flexible tonal range
					Dynamic			
		Sustain	Output 0-100					
1	Comprosso	0-100 Controls the compression amount	Controls the effect output volume					Based on the legendary Ross™ Compressor
		Sustain	Attack	Output	Clipping			
2	Comparoma 4	0-100	0-100	0-100	0-100			Based on the Keeley® C4.4-knob compressor*
	comparoma 4	Controls the compression amount	Controls how soon the compressor starts to process the signal	Controls the effect output volume	Controls the input sensivity			bused on the reality® C44 knob compression
		Sustain	Attack	Output				
3	Blue Sustainer	0-100	0-100	0-100				Based on a legendary 3-knob VCA blue compressor/sustainer
		Controls the compression amount	Controls how soon the compressor starts to process the signal	Controls the effect output volume				
		Threshold	Ratio	Output	Attack	Release	Tone	
4	Squeezer	0-100 Controls the compression threshold	0-100 Controls the compression ratio	0-100 Controls the effect output volume	0-100 Controls how soon the compressor starts to process the signal	0-100 Controls how soon the compressor starts to release the signal level back to normal after the level drops below the threshold	0-100 Controls the effect tone brightness	Flexible, fully adjustable compressor effect
		Gain	Volume	Bass	Treble			
5	Affinity Boost	0-100	0-100	0-100	0-100			Based on famous Xotic® AC Booster* pedal
		Controls the gain amount Gain	Controls the effect output volume Volume	Controls the low frequency amount Bass	Controls the high frequency amount Treble			
6	Beefy Boost	0-100	0-100	0-100	0-100			Based on famous Xotic® BB Preamp∗ pedal
		Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount			
7	Pristine Boost	Gain 0-100	Volume 0-100	Bass 0-100	Treble 0-100			Based famous on Xotic® RC Booster∗ pedal
'	i natilie DOOSE	Controls the gain amount	Controls the effect output volume	Controls the low frequency amount	Controls the high frequency amount			pased famous on Autica KC booster* pedal
		Bass	Treble	Volume	Low Cut			
		0-100	0-100	0-100	Off/On			
8	FET Boost	Controls the low frequency amount	Controls the high frequency amount	Controls the effect output volume	Switches the low cut (-6dB/oct @200Hz) filter on/off			Based on legendary green dip-on FET Preamp
		+3dB Off/On	Bright Off/On	Volume 0-100				
9	Enhancer	Switches min. boost						Based on famous Xotic® EP Booster∗ pedal
		amount from 0dB to +3dB	Switches extra brightness on/off	Controls the effect output volume				
					Frequency			
		Body 0-100	Top 0-100	Volume 0-100	Mode Standard/Jumbo/Enhanced/Piezo			
1	AC Sim	Controls the body resonance	Controls the upper harmonics	Controls the effect output	Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup			Acoustic guitar simulator designed for guitars
					ρισκαρ			

		Sens	Res	Decay 0-100					A constitution of the Charles and the Charles and Char
2	Dynamic Basso	0-100	0-100	Contols how fast the filter goes back to					A special envelope filter (a.k.a. touch wah) designed for bassists, provion natural, smooth sound full of analog feel
		Controls the sensitivity	Controls the filter resonance	the resting point		• • •			
		Sens 0-100	Range 0-100	Q 0-100	Mix 0-100	Mode Guitar/Bass			
3	Toucher	Controls the sensitivity	Contols the filter center frequency range	Controls the filter Q	Controls the wet/dry signal ratio	Switches from guitar/bass modes			A wide ranged envelope filter (a.k.a. touch wah) designed for guitaris bassists that is touch-sensitive and flexible
		Depth	Rate	Volume	Low	Q	High	Sync	
4	Crier	0-100	0-100	0-100	0-100	0-100	0-100	Off/On	Providing a variable auto wah effect for both guitars and basse
		Controls the effect depth	Controls the effect speed	Controls the effect output	Controls the filter low frequency range	Controls the filter Q	Controls the filter high frequency range	Switches Tap Tempo sync on/off	
		Range 0-100	Q 0-100	Volume 0, 100					
5	Voxy Wah	Controls the filter		0-100					Based on legendary VOX® V846* wah pedal
		frequency range	Controls the filter Q	Controls the effect output					
	0.144	Range 0-100	Q 0-100	Volume 0-100					
6	Cry Wah	Controls the filter frequency range	Controls the filter Q	Controls the effect output					Based on legendary Dunlop® CryBaby®∗ wah pedal
		Range	Q	Volume					
7	Petrus Wah	0-100	0-100	0-100					Based on famous Dunlop® CryBaby® JP95* wah pedal
		Controls the filter frequency range	Controls the filter Q	Controls the effect output					
		Range	Q	Volume					
8	Soul Press	0-100 Controls the filter	0-100	0-100					Based on Hotone Soul Press (WAH mode)
		frequency range	Controls the filter Q	Controls the effect output					
		Range 0-100	Q 0-100	Volume 0-100					
9	Bass Press	Controls the filter	Controls the filter Q	Controls the effect output					Based on Hotone Bass Press (WAH mode)
		frequency range Low Oct	High Oct	Dry					
10	Clean Octa	0-100	0-100	0-100					Provides polyphonic octave effect
10	Sisain Sata	Controls the lower octave volume	Controls the higher octave volume	Contols the dry signal level					. To those polypholino octatio olioca
		Oct 1	Oct 2	Dry					
11	Dirty Octa	0-100 Controls the lower octave	0-100 Controls the higher octave volume	0-100 Contols the dry signal level					Provides distorted polyphonic octave effect with distortion
		volume Hi Pitch	Low Pitch	Dry	Hi Volume	Low Volume			
40		0~+24	0~-24	0-100	0-100	0-100			
.2	Harmony	Controls the lower pitch by half notes	Controls the higher pitch by half notes	Controls the dry singal level	Controls the high pitch volume	Controls the low pitch volume			Polyphonic pitch shifter/harmonizer based on Hotone Harmo
		Noise 0-100	Shake 0-100						
L3	Telephone Line	Controls the backgroud	Controls the sound vibration						Simulates vintage telephone effect
	<u> </u>	noise amount Saturation	Mix	Output	High Cut				
14	Satisfaction	0-100	0-100	0-100	0-100				Vintage tape saturation simulater providing analog warmth and r distortion
		Controls the gain amount Step 1	Controls the wet/dry signal ratio	Controls the effect output	Controls the effect high cut amount Step 4	D. C.	0		distortion
	Path Filter	0-100	Step 2 0-100	Step 3 0-100	0-100	Rate 0-100	Sync Off/On		A 4-step auto filter machine for creating synth-like sounds
_	Patri Filter		Controls filter cen	ter frequency of 4 filters (steps)		Controls the effect speed	Switches Tap Tempo sync on/off		A 4-step auto liiter madiline for deating syntif-like sounds
5		Mix 0-100	Krush 0-100	Bit 0-100	Hi Cut 0-100	Lo Cut 0-100			
.5	Bit Krusher	0-100 Contols the wet/dry signal	U-100 Controls the downsampling rate	0-100 Controls the bit depth	0-100 Controls the high cut amnount	U-100 Controls the low cut amount			Provides bitcrushing/sample reducing effect with musical fash
		ratio	Controls the downsampling rate Freq	Controls the bit depth Fine	Controls the high cut amnount Tone	Controls the low cut amount			
				Title	0-100				A ring modulator for creating intresting inharmonic frequency spec
L6	Ding Med	Mix 0-100	0-100	-50~0~+50	0-100				bells and chimes)
L6	Ring Mod	Mix		-50~0~+50 Fine tune the modulation frequency by 1Hz	Controls the tone brightness				,
6	Ring Mod	Mix 0-100 Contols the wet/dry signal	0-100	Fine tune the modulation frequency by		1			
16	Ring Mod	Mix 0-100 Contols the wet/dry signal ratio Depth	0-100 Controls the modulation frequency Rate	Fine tune the modulation frequency by 1Hz	Controls the tone brightness Modulation Sync				
.6	Ring Mod Aozora Chorus	Mix 0-100 Contols the wet/dry signal ratio Depth 0-100	0-100 Controls the modulation frequency Rate 0-100	Fine tune the modulation frequency by 1Hz Tone 0-100	Controls the tone brightness Modulation Sync Off/On				Based on legendary Arion® SCH-1* stereo chorus pedal, producin
16		Mix 0-100 Contols the wet/dry signal ratio Depth	0-100 Controls the modulation frequency Rate	Fine tune the modulation frequency by 1Hz	Controls the tone brightness Modulation Sync				Based on legendary Arion® SCH-1* stereo chorus pedal, producing
115 116 117 1		Mix 0-100 Contols the wet/dry signal ratio Depth 0-100	0-100 Controls the modulation frequency Rate 0-100	Fine tune the modulation frequency by 1Hz Tone 0-100	Controls the tone brightness Modulation Sync Off/On				Based on legendary Arion® SCH-1* stereo chorus pedal, producing 1980s chorus tone that loved by Eric Clapton and Michael Land Based on the legendary huge ensemble chorus pedal born in late (chorus mode), producing rich, shimmering vintage analog chorus

Part						<u> </u>				1
			Mode							
Page	3	Liquid C	1/2/3/4							Based on a legendary 4-button purple stereo chorus pedal, providing
Part		·	Selects from 4 sound							detailed rich chorus tone that expands sonic dimensions
Part						·			-	
Part	4	Aquaria M		0-100	0-100	0-100				
Part				Controls the chrous speed	Controls the tone brightness	Controls the chorus depth of left channel	The state of the s	· ·		Sound, better playing with stereo sound systems
Part				Rate	E.Level	Sync	Granno	rigine ditalilior	010 011	
Property Browness Prop	_	Charuium P	0-100	0-100	0-100					Daned on the femous encomble shorts unit tuned for besists
Part	3	Citorulum B	Controls the charus depth	Controls the chrous speed	Controls the effect output volume	Switches Tan Tempo sync on/off				based off the famous ensemble diords unit tuned for bassists
Part			· ·	<u> </u>	·	ewitaries rup rempe symeonizem				
Process			- J		-					
Part	6	Detune		0-100	0-100					
Part				Controls the effect output volume	Controls the dry signal level					CHORDS-TIKE LOTTE
Part			ž			5 "				
Part	7	letter					,			Classic flanging effect that is rich and natural
	,	Jetter								Glassic hanging check that is not and hatara
Part				·		Feedback				
Part	8	Jetter B	0-100	0-100	0-100	0-100	Off/On			Classic flanging effect tuned for basses
Part				·						
Part	0	1 N			,		,			
Part	9	Jetter N								A flanger with negative feedback, producing "underwater" style sound
Page			3	•	' '		1 1 2	Fla Sync	Trm Sync	
Part	4.0					·	1. 1. 1.			
Part	10	Trem Jet	Controls the flanger death	Controls the flanging aread	Controls the feedback amount	Controls the trample donth	Controls the tremele speed		Switches tremolo Tap Tempo	Combines flanger and tremolo in one
Part			- '			Controls the tremolo depth	Controls the tremolo speed	sync on/off	sync on/off	
Control Cont	4.4	D 1			· ·					Based on a BBD-based blue vibrato pedal, producing natural analog
Second	11	Pulser								· · · · · · · · · · · · · · · · · ·
1						Sync				
Part	12	Grand Vibrato				3 .				Based on the legendary huge ensemble chorus pedal born in late 1970s
10 10 10 10 10 10 10 10					Controls the output volume	Switches Tap Tempo sync on/off				(vibrato mode), producing rich, shimmering vintage analog vibrato tone
Part						,				
Sect	13	Shiver								A classic vibrato effect with wide adjustable range
1	-			•						
State Commence dependence of the first representation for the first re					·					
The content of the	14	Shiver T								A special vibrato with touch-sensitive dynamic depth control
10 10 10 10 10 10 10 10				Controls the effect speed	Controls the output volume	Switches Tap Tempo sync on/off				
Control the phase speed Section by processing Se										
Page	15	90 Phaser								Based on legendary MXR® M101 Phase 90∗
					Symp					
The first process of the phase right of the phase r			·	Hato	Off/On					
Controls the phaser depth	16	Green Phaser	0 200	0 100	5.17.511					Based on a legendary 2-knob green phaser with sharp sound character
Part			Contols the phaser depth	Controls the phaser speed	Switches Tap Tempo sync on/off					
Part										
Controls the phaser depth Controls the phaser speed Controls the output volume Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Pan Base										
Control the phaser depth Control the phaser speed Control the output volume Phaser Rate Phise Pepth Phase Rate Phise Pepth Phase Rate Phise Phise Phise Phise Phise Pepth Phise Rate Phise	17	Twirl N	0-100	0-100	0-100	0-100		0-100		A highly flexible phaser effect with 3 adjustable notch filters
Part Petro Petro Passer Reptro			Contols the phaser depth	Controls the phaser speed	Controls the output volume	LP:				
Twif P 0.100 0.1			Phaser Depth	Phaser Rate	Pan Depth	Pan Rate	Phs Sync	Pan Sync	011/011	
Controls the phaser depth Controls the phaser speed Controls the phaser speed Controls the tremolo/pan depth Part Sync Control the tremolo/pan depth Control the depth Sync Control the effect depth Control the effect depth Control the effect depth Control the effect speed Controls the effect depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Control the tremolo depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo Sync Control the tremolo Control the tremolo Sync Control the tremolo Selects from Sine/Triangle/Square/Sawtooth Waveforms Sine/Triangle/Square/Sawtooth Waveforms Switches Tap Tempo sync on/off Controls the waveform offset amount Control the tremolo with 4 different waveforms and super wide tonal rang Control the tremolo of depth Control the tremolo Control the tremolo depth Control the tremolo Sync Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Sync Co	10	T :45								A constal or halo above continuous substantinuous substantinuous substantinuous substantinuous substantinuous
Part of the part o	18	TWITI P		Controls the phaser speed	Controls the tremolo/pan depth	Controls the tremolo speed (mono) or	Switches phaser Tap Tempo sync on/off			A special, subtle phaser combines tremolo/pan variations
Minivibe Courtois the effect depth Controls the effect speed Switches Tap Tempo sync on/off			·		· · ·	panning speed (stereo)	Switches phaser rap rempo synt on/on	Tempo sync on/off		
Controls the effect depth Control the effect depth Rate Volume Mode Sync Off/On Strict effect depth Control the effect speed Control the output volume Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off S	10	A # 1 10								December 14 of the 15th
Part	19	Minivibe								Based on Voodoo Lab® Micro Vibe∗
Revolver Passed on legendary Shin-ei® Uni-Vibe®*						Mode	Sync			
Controls the effect depth Controls the effect depth Controls the effect speed Controls the output volume Selects from two sound characters: Chorus/Vibrato Switches Tap Tempo sync on/off Depth Rate Sync	00	D 1					-			Donate Land Communication Comm
Per Helicopter Depth Rate Sync	20	Revolver				Selects from two sound characters:				Based on legendary Shin-ei® Uni-Vibe®∗
Helicopter Helicopter Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off					· ·	Chorus/Vibrato	Switches Tap Tempo Syfic Off/Off			
Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off Leading Tempo sync on/off Controls the tremolo speed Switches Tap Tempo sync on/off Shape Bias Sync O-100 O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms										Developing the Company of TDM 4.7
depth Controls the tremolo speed Switches Tap Tempo sync on/off Depth Rate Volume Color Shape Bias Sync O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the tremolo speed Controls the tremolo waveforms offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms	21	Helicopter		0-100	Ott/On					
Pepth Rate Volume Color Shape Bias Sync 0-100 0-100 0-100 0-100 Sine/Triangle/Square/Sawtooth Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms		richopter		Controls the tremolo speed	Switches Tap Tempo sync on/off					acmolo sound
Custom Trem Controls the tremolo depth Controls the tremolo speed Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the output volume Controls the effect tone Controls the effect tone Sine/Triangle/Square/Sawtooth Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount A custom tremolo with 4 different waveforms and super wide tonal rang waveforms A custom tremolo with 4 different waveforms and super wide tonal rang waveforms				Rate	Volume	Color	Shape	Bias	Sync	
Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Controls the effect tone Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount on/off Ontrols the waveform offset amount										
depth Controls the tremolo speed Controls the output volume Controls the effect tone sine/triangle/square/sawtooth tremolo waveforms amount on/off	22	Custom Trem	Controls the tremolo					Controls the waveform offset	Switches Tan Tempo sync	A custom tremolo with 4 different waveforms and super wide tonal range
Waveforms				Controls the tremolo speed	Controls the output volume	Controls the effect tone				
				. Ti	manufacturors and product access visit	ioned above are trademarks as as sisteral to		domarke word used resemble to the		products

					Parameters & Range				
No.	FX Name		Page 1	_		Page 2	_	Page 3	Descristion
		1	2	3	1 Frequency	2	3	1	
		Shape			riequoney				
1	Acoustic Refiner	0-100							Designed for acoustic instruments, bringing you a more natural "woody"
-	7100 00110 11011101	Controls the detailed sound character							acoustic sound
		Body	Тор	Volume	Mode				
		0-100	0-100	0-100	Standard/Jumbo/Enhanced/Piezo				
2	AC Sim	Controls the body resonance	Controls the upper harmonics	Controls the effect output	Switches from 4 modes: Standard: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar Enhanced: Simulates an acoustic guitar with enhanced attack Pirzo: Simulates the sound of a piezo pickup				Acoustic guitar simulator designed for guitars
		Sens	Res	Decay					
3	Dynamic Basso	0-100	0-100	0-100					A special envelope filter (a.k.a. touch wah) designed for bassists, provides a natural, smooth sound full of analog feel
		Controls the sensitivity	Controls the filter resonance	Contols how fast the filter goes back to the resting point					Hatural, smooth sound full of allalog feel
		Sens	Range	Q	Mix	Mode			
		0-100	0-100	0-100	0-100	Guitar/Bass			
4	Toucher	Controls the sensitivity	Contols the filter center frequency range	Controls the filter Q	Controls the wet/dry signal ratio	Switches from guitar/bass modes			A wide ranged envelope filter (a.k.a. touch wah) designed for guitarists and bassists that is touch-sensitive and flexible
		Depth	Rate	Volume	Low	Q	High	Sync	
5	Crier	0-100	0-100	0-100	0-100	0-100	0-100	Off/On	Providing a variable auto wah effect for both guitars and basses
Ü	GHGI	Controls the effect depth	Controls the effect speed	Controls the effect output	Controls the filter low frequency range	Controls the filter Q	Controls the filter high frequency range	Switches Tap Tempo sync on/off	Howard a variable date man sheet for bear gartans and basses
		Low Oct	High Oct	Dry					
6	Clean Octa	0-100 Controls the lower octave	0-100	0-100					Provides polyphonic octave effect
		volume	Controls the higher octave volume	Contols the dry signal level					
		Oct 1	Oct 2	Dry					
7	Dirty Octa	0-100	0-100	0-100					Provides distorted polyphonic octave effect with distortion
	,	Controls the lower octave volume	Controls the higher octave volume	Contols the dry signal level					
		Hi Pitch	Low Pitch	Dry	Hi Volume	Low Volume			
		0~+24	0~-24	0-100	0-100	0-100			
8	Harmony	Controls the lower pitch by half notes	Controls the higher pitch by half notes	Controls the dry singal level	Controls the high pitch volume	Controls the low pitch volume			Polyphonic pitch shifter/harmonizer based on Hotone Harmony
		Noise	Shake						
9	Talankan dia	0-100	0-100						C'ar later 'attendade and War
9	Telephone Line	Controls the backgroud	Controls the sound vibration						Simulates vintage telephone effect
		noise amount Saturation	Mix	Output	High Cut				
10	Satisfaction	0-100	0-100	0-100	0-100				Vintage tape saturation simulater providing analog warmth and natural distortion
		Controls the gain amount	Controls the wet/dry signal ratio	Controls the effect output	Controls the effect high cut amount				distortion
		Step 1 0-100	Step 2 0-100	Step 3 0-100	Step 4 0-100	Rate 0-100	Sync Off/On		-
11	Path Filter	0-100		ter frequency of 4 filters (steps)	0-100	Controls the effect speed	Switches Tap Tempo sync		A 4-step auto filter machine for creating synth-like sounds
		Mix	Krush	Bit	Hi Cut	Lo Cut			
12	Bit Krusher	0-100	0-100	0-100	0-100	0-100			Provides bitcrushing/sample reducing effect with musical fashion
	2.2	Contols the wet/dry signal ratio	Controls the downsampling rate	Controls the bit depth	Controls the high cut amnount	Controls the low cut amount			
		Mix	Freq	Fine	Tone				
13	Ring Mod	0-100	0-100	-50~0~+50	0-100				A ring modulator for creating intresting inharmonic frequency spectra (like bells and chimes)
		Contols the wet/dry signal ratio	Controls the modulation frequency	Fine tune the modulation frequency by 1Hz	Controls the tone brightness				pens and unintes)
					Modulation				
		Depth 0-100	Rate 0-100	Tone 0-100	Sync Off/On				-
1	Aozora Chorus	Controls the chorus depth	Controls the chorus speed	Controls the tone brightness	Switches Tap Tempo sync on/off				 Based on legendary Arion® SCH-1* stereo chorus pedal, producing classic 1980s chorus tone that loved by Eric Clapton and Michael Landau
		Depth	Rate	Volume	Sync				
2	Grand Choruium	0-100	0-100	0-100	Off/On				Based on the legendary huge ensemble chorus pedal born in late 1970s
		Controls the chorus depth	Controls the chorus speed	Controls the output volume	Switches Tap Tempo sync on/off				(chorus mode), producing rich, shimmering vintage analog chorus tone
	•	_							"

Part						<u> </u>				1
			Mode							
Page	3	Liquid C	1/2/3/4							Based on a legendary 4-button purple stereo chorus pedal, providing
Part		·	Selects from 4 sound							detailed rich chorus tone that expands sonic dimensions
Part						·			-	
Part	4	Aquaria M		0-100	0-100	0-100				
Part				Controls the chrous speed	Controls the tone brightness	Controls the chorus depth of left channel	The state of the s	· ·		Sound, better playing with stereo sound systems
Part				Rate	E.Level	Sync	Granno	rigine ditalilior	010 011	
Property Browness Prop	_	Charuium P	0-100	0-100	0-100					Daned on the femous encomble shorts unit tuned for besists
Part	3	Citorulum B	Controls the charus depth	Controls the chrous speed	Controls the effect output volume	Switches Tan Tempo sync on/off				based off the famous ensemble diords unit tuned for bassists
Part			· ·	<u> </u>	·	ewitaries rup rempe symeonizem				
Process			- J		-					
Part	6	Detune		0-100	0-100					
Part				Controls the effect output volume	Controls the dry signal level					CHORDS-TIKE LOTTE
Part			ž			5 "	2			
Part	7	letter					,			Classic flanging effect that is rich and natural
	,	Jetter								Glassic hanging check that is not and hatara
Part				·		Feedback				
Part	8	Jetter B	0-100	0-100	0-100	0-100	Off/On			Classic flanging effect tuned for basses
Part				·						
Part	0	1 N			,		,			
Part	9	Jetter N								A flanger with negative feedback, producing "underwater" style sound
Page			3	•	' '		1 1 2	Fla Sync	Trm Sync	
Part	4.0					·	1. 1. 1.			
Part	10	Trem Jet	Controls the flanger death	Controls the flanging aread	Controls the feedback amount	Controls the trample donth	Controls the tremele speed		Switches tremolo Tap Tempo	Combines flanger and tremolo in one
Part			- '			Controls the tremolo depth	Controls the tremolo speed	sync on/off	sync on/off	
Control Cont	4.4	D 1			· · · · · · · · · · · · · · · · · · ·					Based on a BBD-based blue vibrato pedal, producing natural analog
Second	11	Pulser								· · · · · · · · · · · · · · · · · ·
1						Sync				
Part	12	Grand Vibrato				3 .				Based on the legendary huge ensemble chorus pedal born in late 1970s
10 10 10 10 10 10 10 10					Controls the output volume	Switches Tap Tempo sync on/off				(vibrato mode), producing rich, shimmering vintage analog vibrato tone
Part						,				
Sect	13	Shiver								A classic vibrato effect with wide adjustable range
1	-			•						
State Commence dependence of the first representation for the first re					·					
The content of the	14	Shiver T								A special vibrato with touch-sensitive dynamic depth control
10 10 10 10 10 10 10 10				Controls the effect speed	Controls the output volume	Switches Tap Tempo sync on/off				
Control the phase speed Section by processing Se										
Page	15	90 Phaser								Based on legendary MXR® M101 Phase 90∗
					Symp					
The first process of the phase right of the phase r			·	Hato	Off/On					
Controls the phaser depth	16	Green Phaser	0 200	0 100	3.17 6.11					Based on a legendary 2-knob green phaser with sharp sound character
Part			Contols the phaser depth	Controls the phaser speed	Switches Tap Tempo sync on/off					
Part										
Controls the phaser depth Controls the phaser speed Controls the output volume Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Base Power Pan Base Power Pan Base Power Pan Base Power Pan Pan Pan Base Pan Pan Base										
Control the phaser depth Control the phaser speed Control the output volume Phaser Rate Phise Pepth Phase Rate Phise Pepth Phase Rate Phise Phise Phise Phise Phise Pepth Phise Rate Phise	17	Twirl N	0-100	0-100	0-100	0-100		0-100		A highly flexible phaser effect with 3 adjustable notch filters
Part Petro Petro Passer Reptro			Contols the phaser depth	Controls the phaser speed	Controls the output volume	LP:				
Twif P 0.100 0.1			Phaser Depth	Phaser Rate	Pan Depth	Pan Rate	Phs Sync	Pan Sync	011/011	
Controls the phaser depth Controls the phaser speed Controls the phaser speed Controls the tremolo/pan depth Part Sync Control the tremolo/pan depth Control the depth Sync Control the effect depth Control the effect depth Control the effect depth Control the effect speed Controls the effect depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Control the tremolo depth Control the tremolo Control the tremolo depth Control the tremolo depth Control the tremolo Sync Control the tremolo Control the tremolo Sync Control the tremolo Selects from Sine/Triangle/Square/Sawtooth Waveforms Sine/Triangle/Square/Sawtooth Waveforms Switches Tap Tempo sync on/off Controls the waveform offset amount Control the tremolo with 4 different waveforms and super wide tonal rang Control the tremolo of depth Control the tremolo Control the tremolo depth Control the tremolo Sync Control the tremolo depth Control the tremolo speed Control the tremolo speed Control the tremolo speed Control the tremolo Sync Co	10	T :45								A constal or halo above continuous substantinuous substantinuous substantinuous substantinuous substantinuous
Part of the part o	18	TWITI P		Controls the phaser speed	Controls the tremolo/pan depth	Controls the tremolo speed (mono) or	Switches phaser Tap Tempo sync on/off			A special, subtle phaser combines tremolo/pan variations
Minivibe Courtois the effect depth Controls the effect speed Switches Tap Tempo sync on/off			·		· · ·	panning speed (stereo)	Switches phaser rap rempo synt on/on	Tempo sync on/off		
Controls the effect depth Control the effect depth Rate Volume Mode Sync Off/On Strict effect depth Control the effect speed Control the output volume Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Chorus/Vibrato Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off Selects from two sound characters: Switches Tap Tempo sync on/off S	10	A # 1 10								December 14 of the 15th
Part	19	Minivibe								Based on Voodoo Lab® Micro Vibe∗
Revolver Passed on legendary Shin-ei® Uni-Vibe®*						Mode	Sync			
Controls the effect depth Controls the effect depth Controls the effect speed Controls the output volume Selects from two sound characters: Chorus/Vibrato Switches Tap Tempo sync on/off Depth Rate Sync	00	D 1					-			Donate Land Communication Comm
Per Helicopter Depth Rate Sync	20	Revolver				Selects from two sound characters:				Based on legendary Shin-ei® Uni-Vibe®∗
Helicopter Helicopter Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off					· ·	Chorus/Vibrato	Switches Tap Tempo Syfic Off/Off			
Helicopter Controls the tremolo depth Controls the tremolo speed Switches Tap Tempo sync on/off Leading Tempo sync on/off Controls the tremolo speed Switches Tap Tempo sync on/off Shape Bias Sync O-100 O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms										Developing the Company of TDM 4.7
depth Controls the tremolo speed Switches Tap Tempo sync on/off Depth Rate Volume Color Shape Bias Sync O-100 O-100 O-100 Sine/Triangle/Square/Sawtooth O-100 Off/On Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the tremolo speed Controls the tremolo waveforms offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms	21	Helicopter		0-100	Ott/On					
Pepth Rate Volume Color Shape Bias Sync 0-100 0-100 0-100 0-100 Sine/Triangle/Square/Sawtooth Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount Switches Tap Tempo sync on/off A custom tremolo with 4 different waveforms and super wide tonal rang waveforms		richopter		Controls the tremolo speed	Switches Tap Tempo sync on/off					acmolo sound
Custom Trem Controls the tremolo depth Controls the tremolo speed Controls the tremolo speed Controls the tremolo speed Controls the output volume Controls the output volume Controls the effect tone Controls the effect tone Sine/Triangle/Square/Sawtooth Selects from sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount A custom tremolo with 4 different waveforms and super wide tonal rang waveforms A custom tremolo with 4 different waveforms and super wide tonal rang waveforms				Rate	Volume	Color	Shape	Bias	Sync	
Controls the tremolo depth Controls the tremolo speed Controls the output volume Controls the effect tone Controls the effect tone Controls the effect tone Sine/triangle/square/sawtooth tremolo waveforms Controls the waveform offset amount on/off Ontrols the waveform offset amount										
depth Controls the tremolo speed Controls the output volume Controls the effect tone sine/triangle/square/sawtooth tremolo waveforms amount on/off	22	Custom Trem	Controls the tremolo					Controls the waveform offset	Switches Tan Tempo sync	A custom tremolo with 4 different waveforms and super wide tonal range
Waveforms				Controls the tremolo speed	Controls the output volume	Controls the effect tone				
				.TL .	manufacturors and product access visit	ioned above are trademarks as as sisteral to		domarke word used resemble to the		products

					Ampero FX List - AMP (65)						
No.	FX Name		Da	Parameters ge 1	& Range I	Page 2		Description			
INO.	FAINGILLE	1	2	3	1	2	3	Безсприон			
					Clean						
		Volume	Tone	Output							
1	Tweed Lux	0-100 Controls the amp	0-100 Controls the tone	0-100				Based on Fender® Tweed Deluxe* (bright channel, 5E3 version)			
		pre gain	brightness	Controls the amp output volume							
		Volume	Presence	Output	Bass	Middle	Treble				
2	Baseman Norm	0-100	0-100	0-100	0-100	0-100	0-100	Based on Fender® ' 59 Bassman®* (normal channel)			
		Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response				
		Gain	Master	Bass	Middle	Treble					
3	Black Twin	0-100	0-100	0-100	0-100	0-100		Based on Fender® ' 65 Twin Reverb®*			
		Controls the amp pre gain	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response					
		Volume	Tone Cut	Master	Bright						
4	V 201 BA/ N	0-100	0-100	0-100	Off/On			December 1/OV® A COOLBAL (accordable accord)			
4	Voxy 30HW Norm	Controls the amp pre gain	Conterclockwise controls the tone brightness	Controls the amp output volume	Switches extra brightness on/off			Based on VOX® AC30HW* (normal channel)			
		Volume	Tone								
5	Superb Dual Clean	0-100	0-100					Based on Supro® Dual-Tone 1624T* (clean tone)			
		Controls the amp output volume	Conterclockwise controls the tone brightness								
		Volume 0-100	Bright Off/On	Bass 0-100	Middle 0-100	Treble 0-100					
6 (7)	Jazz Clean	Controls the amp	Switches extra brightness	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high		Based on the legendary "Jazz Chorus" solid state combo			
		output volume	on/off Presence	Master		frequency response Middle	Treble				
		Gain 0-100	0-100	0-100	Bass 0-100	Middle 0-100	0-100				
7 (8)	Emperor Clean	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based Matchless™ Chieftain 212 combo* (dean tone)			
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response				
		Gain	Presence	Master	Bass	Middle	Treble				
8 (10)	Superstar Clean	0-100 Controls the amp	0-100 Controls the amp	0-100	0-100	0-100 Controls the amp mid	0-100 Controls the amp high	Based on Mesa/Boogie® Lone Star™ (CH1)			
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response				
		Gain	Presence	Master	Bass	Treble					
9 (11)	Glacian Clean	0-100	0-100	0-100	0-100	0-100		Based on Bogner ® Shiva* (20th Anniversary version, CH1)			
		Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp high frequency response					
		Gain	Tone Cut	Master	Bass	Middle	Treble				
10 (12)	Dr. 38 Clean	0-100	0-100	0-100	0-100	0-100	0-100	Based on Dr. Z® Maz 38 Sr.* combo (clean sound)			
10 (12)	DI. 00 Octain	Controls the amp pre gain	Conterclockwise controls the tone brightness	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	based on bit. 2 wide so sit. Combo (dean sound)			
		Gain	Volume	Bass	Middle	Treble	rrequerity response				
11 (13)	Pendragon Clean	0-100	0-100	0-100	0-100	0-100		Based on Grindrod® Pendragon PG20C* (Normal channel, bright of			
11 (13)	Pendragon Clean	Controls the amp pre gain	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response		Dased on Gindrod® Feridiagon Fozoe- (Normal dialine), bright of			
		Gain	Volume 0.100	Bass	Middle	Treble					
12 (14)	Pendragon Clean+	0-100 Controls the amp	0-100 Controls the amp output	0-100	0-100	0-100 Controls the amp high		Based on Grindrod® Pendragon PG20C+ (Normal channel, bright or			
		pre gain	volume	Controls the amp low frequency response	Controls the amp mid frequency response	frequency response					
		Gain	Presence 0, 100	Master 0-100							
13 (15)	Hot Kitty Clean	0-100 Controls the amp	0-100 Controls the amp					Based on Bad Cat® Hot Cat 30* (clean channel)			
		pre gain	presence	Controls the amp output volume							
		Gain	Presence	Master	Bass	Middle	Treble				
14 (16)	Soloist 100 Clean	0-100 Controls the amp	0-100 Controls the amp	0-100	0-100	0-100 Controls the amp mid	0-100 Controls the amp high	Based on Soldano® SLO100* (normal channel, clean sound			
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response				
	pre-gam presence requeste requ										

				0.1.1	1	N.C. 1.0	T 11	<u> </u>
		Volume 0-100	Presence 0-100	Output 0-100	Bass 0-100	Middle 0-100	Treble 0-100	
1	Baseman Bright			0-100	0-100			Based on Fender® ' 59 Bassman®* (bright channel)
		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain	presence Tone Cut	Master	Bass	frequency response Treble	frequency response Char	
		Volume 0-100	0-100	0-100	0-100	0-100		
2	Voxy 30HW TB			0-100	0-100		Cool/Hot	Based on VOX® AC30HW* (Top Boost channel)
		Controls the amp pre gain	Conterclockwise controls the tone brightness	Controls the amp output volume	Controls the amp low frequency response	Controls the amp high frequency response	Selects from 2 gain ranges	
		Volume 1	Tone 1	Volume 2	Tone 2	frequency response		
		0-100	0-100	0-100	0-100			
3	Superb Dual Drive	Controls the output	Controls the tone					Based on the Supro® Dual-Tone 1624T* (CH1+2, dirty tone)
		volume of CH1	brightness of CH1	Controls the output volume of CH2	Controls the tone brightness of CH2			
		Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
4	Emperor Drive	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Matchless™ Chieftain 212 combo* (dirty tone)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Tone Cut	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
5	Dr. 38 Drive			0-100	0-100			Based on Dr. Z® Maz 38 Sr* combo (dirty tone)
		Controls the amp	Conterclockwise controls	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain Gain	the tone brightness Presence	Master	Bass	frequency response Middle	frequency response Treble	
G	Superstar Drive	0-100	0-100	0-100	0-100	0-100	0-100	Based on Mesa/Boogie® Lone Star™ (CH2)
U	Superstal Drive	Controls trie amp	CONTROLS THE AMP	Controls the amp output volume	Controls the amp low frequency response	CONTROLS THE 91110 LINE	Controls the amp nigh	based off Mesa/ Boogle & Lotte Stat. (C12)
		Volume	Presence	Output	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
7	Marshell 45	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Marshall® JTM45* (normal channel)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Volume	Presence	Output	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
8	Marshell 45+	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Marshall® JTM45* (High Treble channel)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Output	Bass	Middle	Treble	
q	Marshell 45 Jump	0-100	0-100	0-100	0-100	0-100	0-100	Based on Marshall® JTM45* ("Jump" connection)
9	iviaisiieii 45 Juriip	Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	Based off Marshall® JTM45* (Jump Conflection)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Volume	Presence	Output	Bass	Middle	Treble	
10	Marshell 50	0-100	0-100	0-100	0-100	0-100	0-100	Based on Marshall® JTM50* (normal channel)
10	maronon oo	Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	Substitutional Symbol (normal diametry
		pre gain	presence	· ·	, , , ,	frequency response	frequency response	
		Volume	Presence	Output	Bass	Middle	Treble	
11	Marshell 50+	0-100	0-100	0-100	0-100	0-100	0-100	Based on Marshall® JTM50* (High Treble channel)
		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain	presence	Outrout	Dese	frequency response Middle	frequency response	
		Gain 0-100	Presence 0-100	Output 0-100	Bass 0-100	0-100	Treble 0-100	
12	Marshell 50 Jump	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Marshall® JTM50* ("Jump" connection)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Edge	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	1
13	Hot Kitty Drive	Controls the amp	Controls the amp			Controls the mid	Controls the amp high	Based on Bad Cat® Hot Cat 30* (drive channel)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency character	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
14	Messe IIC+ 1							
		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain	presence			frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
15	Managa IIC (2	0-100	0-100	0-100	0-100	0-100	0-100	Based on Mesa/Boogie® Mark II C+™ (Lead channel) with 3 different
15	Messe IIC+ 2	Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	onboard switch combinations
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
		Odin	1 10301100	Widotol	- Du33	Wildaic	TIEBIC	

	Messe IIC+ 3	0-100	0-100	0-100	0-100	0-100	0-100	
		Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
17	Soloist 100 Crunch	0-100	0-100	0-100	0-100	0-100	0-100	Based on Soldano® SLO100* (normal channel, dirty sound)
11	Soloist 100 Cruffor	Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	based on Soldano® SLOTOO* (normal dranner, dirty sound)
		Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
18	Marshell 800	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Marshall® JCM800*
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Volume	Bass	Middle	Treble	, ,	
/		0-100	0-100	0-100	0-100	0-100		
19	Pendragon Drive	Controls the amp	Controls the amp output	0 100	0 100	Controls the amp high		Based on Grindrod® Pendragon PG20C* (Drive channel)
/		pre gain	volume	Controls the amp low frequency response	Controls the amp mid frequency response	frequency response		
		Gain	Presence	Master	Race	Middle	Treble	
			110001100	Macco	D033		110010	
20	Fryman B1	0-100	0-100	0-100	0-100	0-100	0-100	
		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain	presence	<u> </u>		frequency response	frequency response	Based on the famous "Brown Eye" UK-style boutique amp head (BE
		Gain	Presence	Master	Bass	Middle	Treble	channel) with 2 different onboard switch combinations
21	Fryman B2	0-100	0-100	0-100	0-100	0-100	0-100	
21	FIYIIIdii DZ	Controls the amp	Controls the amp	0	0	Controls the amp mid	Controls the amp high	
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
-		Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
22	Glacian Drive			0-100	0-100			Based on Bogner ® Shiva* (20th Anniversary version, CH2)
		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain	presence			frequency response	frequency response	
					HiGain			
		Gain	Presence	Master	Bass	Middle	Treble	
1	Marshell 900	0-100	0-100	0-100	0-100	0-100	0-100	Based on Marshall® JCM900* (Model 4100, channel B)
1	IVIDI SITE II SOO	Controls the amp	Controls the amp	Controls the amp output values	Controls the amp law fraguency response	Controls the amp mid	Controls the amp high	based on Marshall & Scivisco" (Model 4100, Granner b)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
2	Dizzle VH B	Controls the amp	Controls the amp	0 100	0 100	Controls the amp mid	Controls the amp high	Based on Diezel® VH4* (CH3, blue version)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
\longrightarrow		pre gam					rrequerity response	
		Gain	Presence	Master	Bass	Middle	Treble	
3	Dizzle VH S			Master 0-100	Bass 0-100			Based on Diezel® VH4* (CH3 silver version)
3	Dizzle VH S	Gain	Presence	0-100	0-100	Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high	Based on Diezel® VH4* (CH3, silver version)
3	Dizzle VH S	Gain 0-100	Presence 0-100		8400	Middle 0-100	Treble 0-100	Based on Diezel® VH4* (CH3, silver version)
3	Dizzle VH S	Gain 0-100 Controls the amp	Presence 0-100 Controls the amp	0-100	0-100	Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high	Based on Diezel® VH4+ (CH3, silver version)
		Gain 0-100 Controls the amp pre gain	Presence 0-100 Controls the amp presence	0-100 Controls the amp output volume	0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response	Treble 0-100 Controls the amp high frequency response	
3 4	Dizzle VH S Engle Saga 1	Gain 0-100 Controls the amp pre gain Gain 0-100	Presence 0-100 Controls the amp presence Presence 0-100	0-100 Controls the amp output volume Master 0-100	0-100 Controls the amp low frequency response Bass 0-100	Middle 0-100 Controls the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response Treble 0-100	Based on Diezel® VH4* (CH3, silver version) Based on ENGL® Savage 120 E610* (CH4, contour off)
		Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp	0-100 Controls the amp output volume Master	0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high	
		Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response	
		Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gound	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle Middle Middle	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble	
		Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain 0-100 Gontrols the amp pre gain Gain 0-100	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle 0-100 Ontrols the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble 0-100 Treble 0-100	
4	Engle Saga 1	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Ontrols the amp low frequency response 0-100	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high	Based on ENGL® Savage 120 E610* (CH4, contour off)
4	Engle Saga 1	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble 0-100 Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off)
4	Engle Saga 1	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain Gain Gain Gain Gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence Presence Presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle Middle	Treble 0-100 Controls the amp high frequency response Treble	Based on ENGL® Savage 120 E610* (CH4, contour off)
4 5	Engle Saga 1 Engle Saga 2	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid frequency response	Treble 0-100 Controls the amp high frequency response Treble 0-100 Controls the amp high frequency response Treble 0-100 Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on)
4	Engle Saga 1	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain Gain Gain Gain Gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence Presence Presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle Middle	Treble 0-100 Controls the amp high frequency response Treble	Based on ENGL® Savage 120 E610* (CH4, contour off)
4 5	Engle Saga 1 Engle Saga 2	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response Treble 0-100	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on)
4 5	Engle Saga 1 Engle Saga 2	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on)
5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on)
4 5	Engle Saga 1 Engle Saga 2	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100	Middle 0-100 Controls the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response Treble 0-100	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on)
5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain G-100 Controls the amp pre gain Controls the amp pre gain Controls the amp	Presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4)
5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 the amp pre gain Gain Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4) Based on the famous "Brown Eye" UK-style boutique amp head
5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain Gain Gain Gain Gain Gain	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence Presence Presence 0-100 Controls the amp presence Presence Presence Presence Presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle Middle Middle	Treble 0-100 Controls the amp high frequency response Treble Treble Treble Treble Treble	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4)
5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume Controls the amp output volume Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Controls the amp low frequency response	Middle 0-100 Controls the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4) Based on the famous "Brown Eye" UK-style boutique amp head
4 5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead Fryman HB	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4) Based on the famous "Brown Eye" UK-style boutique amp head
4 5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead Fryman HB	Gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass 0-100 Controls the amp low frequency response Bass	Middle 0-100 Controls the amp mid frequency response Middle 0-100	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4) Based on the famous "Brown Eye" UK-style boutique amp head
4 5 6	Engle Saga 1 Engle Saga 2 Powerengle Lead Fryman HB	Gain 0-100 Controls the amp pre gain Gain 0-100 Controls the amp	Presence 0-100 Controls the amp presence Presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence 0-100 Controls the amp presence	0-100 Controls the amp output volume Master 0-100 Controls the amp output volume	0-100 Controls the amp low frequency response Bass 0-100	Middle 0-100 Controls the amp mid frequency response Middle 0-100 Controls the amp mid	Treble 0-100 Controls the amp high frequency response	Based on ENGL® Savage 120 E610* (CH4, contour off) Based on ENGL® Savage 120 E610* (CH4, contour on) Based on ENGL® Powerball II E645/2* (CH4) Based on the famous "Brown Eye" UK-style boutique amp head

2 (10)	radic 21	Controls the amp	Controls the amp		I	Controls the amp mid	Controls the amp high	pased off reavel a state (FEWD dialilier)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
10 (12)	Soloist 100 Lead	0-100	0-100	0-100	0-100	0-100	0-100	Based on Soldano® SLO100* (overdrive channel)
. ,		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	,
-		pre gain Gain	presence Presence	Master	Bass	frequency response Middle	frequency response Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
11 (13)	Messe IV Lead 1	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
12 (14)	Messe IV Lead 2	0-100	0-100	0-100	0-100	0-100	0-100	Based on Mesa/Boogie® Mark IV™ (Lead channel) with 3 different
()		Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	onboard switch combinations
		pre gain Gain	presence Presence	Master	Bass	frequency response Middle	frequency response Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
13 (15)	Messe IV Lead 3	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Master	Bass	Middle	Treble		
14 (16)	Tangerine R100	0-100	0-100	0-100	0-100	0-100		Based on Orange® Rockerverb 100™* (Dirty channel)
11(10)	rangomio K200	Controls the amp	Controls the amp output	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high		bassa en erange e noanervere 100 (pint) anamely
		pre gain	volume Presence	Master	Rass	frequency response Middle	Treble	
		Gain 0-100	0-100	0-100	0-100	0-100	0-100	
15 (17)	Rector Dual V	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Mesa/Boogie® Dual Rectifier® (CH3, vintage mode)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
16 (18)	Rector Dual M	0-100	0-100	0-100	0-100	0-100	0-100	Based on Mesa/Boogie® Dual Rectifier® (CH3, modern mode)
10 (10)	Notice Budi III	Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
17 (19)	Dizzle VH+ B	0-100	0-100	0-100	0-100	0-100	0-100	Based on Diezel® VH4* (CH4, blue version)
17 (13)	DIZZIO VITI D	Controls the amp pre gain	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	based on blezere vita (dia, blac version)
		Gain	Presence	Master	Bass	Middle	Treble	
18 (20)	Dizzle VH+ S	0-100	0-100	0-100	0-100	0-100	0-100	Based on Diezel® VH4* (CH4, silver version)
, ,		Controls the amp	Controls the amp presence	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response	
		pre gain Gain	Presence	Master	Bass	Middle	Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
19 (21)	Boger XT Blue V	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Bogner® Ecstasy* ("Blue" channel, Vintage mode)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
20 (22)	Boger XT Blue M	0-100	0-100	0-100	0-100	0-100	0-100	Based on Bogner® Ecstasy* ("Blue" channel, Modern mode)
` ′	ŭ	Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	
		pre gain Gain	presence Presence	Master	Rass	frequency response Middle	frequency response Treble	
		0-100	0-100	0-100	0-100	0-100	0-100	
21 (23)	Boger XT Red V	Controls the amp	Controls the amp			Controls the amp mid	Controls the amp high	Based on Bogner® Ecstasy* ("Red" channel, Vintage mode)
		pre gain	presence	Controls the amp output volume	Controls the amp low frequency response	frequency response	frequency response	
		Gain	Presence	Master	Bass	Middle	Treble	
22 (24)	Boger XT Red M	0-100	0-100	0-100	0-100	0-100	0-100	Based on Bogner® Ecstasy* ("Red" channel, Modern mode)
`	<u> </u>	Controls the amp	Controls the amp	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid	Controls the amp high	, , , , , , , , , , , , , , , , , , , ,
		pre gain	presence		Bass	frequency response	frequency response	
		Volume	Bright	Bass	Middle	Treble		
1	Alchemy Pre	0-100	Off/On	0-100	0-100	0-100		Based on Alembic™ F-2B* preamp
1	Alchemy Pre	Controls the amp output volume	Switches extra brightness on/off	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response		based on Alembic −r-zb* preamp
		Gain	Bass	Middle	Midrange	Treble	Master	
2	Ampage Classic	0-100	0-100	0-100	220Hz/450Hz/800Hz/1.6kHz/3kHz	0-100	0-100	Based on Ampeg® SVT* bass amp
_	Ampage Classic	Controls the amp pre gain	Controls the amp low frequency response	Controls the amp mid frequency response	Selects from 5 mid frequency ranges	Controls the amp high frequency response	Controls the amp output volume	pased on Ampeger 3vir pass amp
		pre gain	requerity response			riequeriey response	Volume	

		Volume	Bass	Treble				
		0-100	0-100	0-100				
3	Ampage Flip	Controls the amp output volume	Controls the amp low frequency response	Controls the amp high frequency response				Based on Ampeg® B-15* "Flip Top"
		Volume	Bass	Treble				
4	Voxy Bass	0-100	0-100	0-100				Based on 1965 VOX® * AC-100* vintage bass amp
-	VOXy Bass	Controls the amp output volume	Controls the amp low frequency response	Controls the amp high frequency response				based on 1900 VONGA AC-1004 Virtage bass amp
		Volume	Master	Bass	Middle	Treble		
6	Messe Bass 400	0-100	0-100	0-100	0-100	0-100		Based on Mesa/Boogie® Bass 400
	Messe Bass 400	Controls the amp pre gain	Controls the amp output volume	Controls the amp low frequency response	Controls the amp mid frequency response	Controls the amp high frequency response		based off Mesa/ bodgless bass 400
					Acoustic			
		Volume	Tone	Balance	EQ Freq	EQ Q	EQ Gain	
1	Acoustic Preamp 1	0-100	0-100	0-100	0-100	0-100	0-100	
		Controls the output	Controls the tone	Controls the tone control balance; turn to 0 to	Controls the EQ center frequency from	Controls the EQ	Controls the EQ boost/cut	
		volume	brightness	disable tone control	90Hz to 1.6kHz	bandwidth	amount	Based on AER® Colourizer 2* acoustic preamp with 2 different
		Volume	Tone	Balance	EQ Freq	EQ Q	EQ Gain	onboard switch combinations
2	Acoustic Preamp 2	0-100	0-100	0-100	0-100	0-100	0-100	
		Controls the output volume	Controls the tone brightness	Controls the tone control balance; turn to 0 to disable tone control	Controls the EQ center frequency from 680Hz to 11kHz	Controls the EQ bandwidth	Controls the EQ boost/cut amount	

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		Ampro FX List - EQ (1) Parameters & Rance																
No.	FX Title		Page 1		1	Page 2		Par	ameters & Range Page 3			Page 4			Page 5		Description	
140.	17 1106	1	2	3	1	2	3	1	rage J	3	1	2	3	1	rage 3	3	Description	
		125Hz	400Hz	800Hz	1.6kHz	4kHz	Volume			·			,			·		
		-50-0-+50	-50-0-+50	-50-0-+50	-50-0 - +50	-50-0-+50	0-100											
1	Guitar EQ 1																	
		Boosts/cuts the frequency bands shown as above					Controls the output volume											
																	Equalizer designed for guitars	
		100Hz	500Hz -50-0 - +50	1kHz -50-0 - +50	3kHz -50-0 - +50	6kHz -50-0 - +50	Volume											
2	Guitar EQ 2	-50-0-+50	-50-0-+50	-50-0-+50	-50-0 - +50	-50-0-+50	0-100											
			Boosts/cut	s the frequency bands sh	own as above		Controls the output volume											
		33Hz	150Hz	600Hz	2kHz	8kHz	Volume											
		-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50	0-100											
3	Bass EQ 1						Controls the output											
			Boosts/cut	s the frequency bands sh	own as above		volume										Equalizer designed for basses	
		50Hz	120Hz	400Hz	800Hz	4.5kHz	Volume										Equalizer designed for basses	
		-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50	0-100											
4	Bass EQ 2			s the frequency bands sh		Controls the output												
			Boosts/cut	s the frequency bands sn	own as above		volume											
		Band 1	Q1	Gain 1	Band 2	Q2	Gain 2	Band 3	Q3	Gain 3	Band 4	Q4	Gain 4	Lo Shelf	Hi Shelf	Volume		
		50Hz-400Hz	0.1-10	-12dB-+12dB	200Hz-1kHz-1.1kHz-2kHz	0.1-10	-12dB-+12dB	1kHz-10kHz	0.1-10	-12dB-+12dB	5kHz-16kHz	0.1-10	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	0-100		
5	Para EQ	Controls the band 1	Controls the band 1 O	Boosts/outs band 1 by	Controls the band 2 center	Controls the band 2 O	Boosts/outs band 2 by	Controls the band 3	Controls the band 3 O	Boosts/cuts band 3 by	Controls the band 4	Controls the band 4	Boosts/outs band 4 by ±	Controls the low shelf	Controls the high shell	Controls the output	4-band parametric EQ with low/high shelving filters suitable for any instrument	
		center frequency	bandwidth	±12dB	frequency	bandwidth	±12dB	center frequency	bandwidth	±12dB	center frequency	Q bandwidth	12dB	filter boost/out range by ±12dB	filter boost/cut range by ±12dB	volume		
		31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz	Volume		69 11200	0y 11200			
		-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	-12dB-+12dB	0-100						
6	Graphic EQ	100 100	1200 1200	100 100	2200 - 2200	100 1000	100 1000	1200 1200	1000 1200	100 100	100 1200						10-band graphic EQ suitable for any instrument	
					Boo	sts/cuts the frequency	bands shown as above					Controls the output volume						
		80Hz	240Hz	750Hz	2.2kHz	6.6kHz												
7	V-EO	-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50	-50-0-+50											Based on the E-hand EO medule on Mara/Recognifity amor	
- 1	1-EQ		Boosts/cut	s the frequency bands sh	own as above												Based on the 5-band EQ module on Mesa/Boogie®+ amps	

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Ampero FX List - NR (3) All effects in this module are also available in FX1 and FX2 modules

			Parameters & Range			
No.	FX Title		Description			
		1	2	3		
		Threshold			Passed on famous ICD® Desimator IM.	
1	Smart Gate	0-100			Based on famous ISP® Decimator™*	
		Controls the noise gate threshold			noise gate pedal	
		Threshold	Mode			
	Fast Gate	0-100	1/11			
2		Controls the noise gate threshold	Selects from two modes: Mode I: resopnds faster Mode II: responds smoother		A 2-mode noise gate with fast response	
		Threshold	Attack	Release		
		0-100	0-100	0-100		
3	Custom Gate	Controls the noise gate threshold	Controls how fast the noise gate start to process signal	Controls the noise gate release time when signal level reaches the threshold	Flexible noise gate with attack and release control	

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	Ampero FX List - CAB/IR (70)										
No.	FX Title	Based on									

All effects in this module (include user IRs) share the same parameters:
Mic Type: Selects (or turn off) the different microphone simulations
Volume: Controls the output volume
Position X/Y/Z: Controls the mic mosition simulations; X/Y controls the microphone horizontal/vertical position, set X=Y=0 to set the

	microphone	on axis; Z controls the distance between microphone and speaker cap
		Factory Cabinets
1	Super Zep 1x6	Supro®* 1x6" cabinet with oval speaker
2	Tweed Chap 1x8	Vintage Fender® Champ* 1x8" cabinet
3	Tweed Prince 1x10	Vintage Fender® Princeton* 1x10" cabinet
4	Black Lux 1x12	Vintage Fender® Deluxe∗ 1x12" cabinet
5	Black Vint 1x12	Vintage Fender® Vibrolux* 1x12" cabinet
6	Routine 1x12	Carr® Roamer* 1x12" cabinet
7	Glacian 1x12	Bogner® Shiva* 1x12" cabinet
8	Bad Kitty 1x12	Black Cat® Hot Cat* 1x12" cabinet
9	Voxy 1x12	Vintage VOX® AC15* 1x12" cabinet
10	Dark Star 1x12	Mesa/Boogie® Lonestar* 1x12" cabinet
11	Atom Open 1x12	Swart® Atomic Space* 1x12" cabinet
12	Tweed Lux 1x12	Fender® Tweed Deluxe* 1x12 cabinet
13	US Studio 1x12	1980's Mesa/Boogie® * 1x12" cabinet
14	Ace 20 1x12	Morgan® AC-20 Deluxe* 1x12 cabinet
15	UK G12M 1x12	Marshall® * 1x12" cabinet
16	Voxy 2x12	Vintage VOX® AC30* 2x12" cabinet
17	Emperor 2x12	Matchless® Chieftain* 2x12" cabinet
18	Jazz Twin 2x12	Legendary "Jazz Chorus" 2x12" cabinet
19	Black Twin 2x12	Vintage Fender® ' 65 Twin Reverb* 2x12" cabinet
20	UK Green 2x12	Marshall® 2550* 2x12" cabinet
21	Tweed Super 2x10	A custom Fender® Tweed* 2x10" cabinet
22	Boutique 2x12	A unique custom 2x12" cabinet
23	Baseman 2x12	Vintgae Fender® "Piggyback" Bassman® * 2x12" cabinet
24	Superb 2x12	Supro® 1624T* 2x12 cabinet"
25	Match Twin 2x12	Matchless®* 2x12" cabinet
26	Superstar 2x12	Mesa/Boogie® Lonestar* 2x12" cabinet
27	Freedom 2x12	Fryette® Deliverance* 2x12" cabinet
28	Black Custom 2x12	Custom modified Fender®* 2x12" cabinet
29	Twin Rock 2x12	Two-Rock®* 2x12" cabinet
30	Bluesky 2x12	A custom 2x12" cabinet with Celestion® Alnico Blue* speakers
31	Baseman 4x10	Fender® '59 Bassman® * 4x10" cabinet
32	UK Lead 4x12	Marshall® 1960AV* 4x12" cabinet
33	UK Trad 2x12	68 Marshall® Basketweave* 4x12" cabinet
34	UK Modern 4x12	Custom modified Marshall®* 4x12" cabinet
35	UK Green 4x12	Vintage Marshall® 4x12" cabinet with Celestion® Greenback®* speakers

36	Eddie 4x12	Peavey® 6505* 4x12" cabinet
37	Rector 4x12	Mesa/Boogie® Rectifier® * 4x12" cabinet
38	Boger 4x12	Bogner®* 4x12" cabinet
39	Engle 4x12	ENGL®* 4x12" cabinet
40	Urban 4x12	Bogner® Uberkab* 4x12" cabinet
41	Soloist 4x12	Soldano® * 4x12" caninet
42	Tang 4x12	Orange® PPC412* 4x12" cabinet
43	Hiway 4x12	Vintage Hiwatt® SE4123* 4x12" cabinet
44	UK Black 4x12	1968 Marshall®* 4x12" cabinet
45	The Way 4x12	Vintage WEM® * 4x12" cabinet
46	Dumbell 4x12	Dumble®* 4x12" cabinet
47	Dizzle 4x12	Diezel®* 4x12" cabinet
48	Triple 4x12	Hughes & Kettner® Triamp* 4x12" cabinet
49	UK T75 4x12	Marshall®* 4x12" cabinet with Celestion® G12T-75* speakers
50	US King 4x12	Mesa/Boogie® Road King®* 4x12" cabinet
51	Adam 1x15	David Eden®* 1x15" bass cabinet
52	Worker 1x15	SWR®* 1x15" bass cabinet
53	Flip Top 1x15	Ampeg® PF-115HE* 1x15" bass cabinet
54	US Bass 2x10	Mesa/Boogie® * 2x10" bass cabinet
55	Mark 2x10	Mark Bass®* 4x10" bass cabinet
56	Adam 4x10	David Eden®* 4x10" bass cabinet
57	Ampage 4x10	Ampeg® SVT-410HE* 4x10" bass cabinet
58	Worker 4x10	SWR® Workingman's* 4x10" bass cabinet
59	Hacker 4x12	Hartke®∗ 4x12" bass cabinet
60	Ampage 8x10	Ampeg SVT-810E* 8x10" bass cabinet
		Factory Acoustic Simulations
61	Dreadnought 1	Dreadnought guitar simulation 1
62	Dreadnought 2	Dreadnought guitar simulation 2
63	Orchestal	Simulates an OM type acoustic guitar
64	Jumbo	Simulates a jumbo acoustic guitar
65	Hum Bird	Simulates the iconic "H-Bird" acoustic guitar
66	Auditorium	Simulates a GA type acoustic guitar
67	Classical	Simulates a classical guitar
68	Mandolin	Simulates a mandolon
69	Fretless Bass	Simulates a fretless acoustic bass
70	Double Bass	Simulates a double bass
		User IR
71-80	User IR X	For loading 3rd party IR files
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Mic Type List							
No.	Name	Based On	Type				
1	OFF	N/A	N/A				

2	Dyn 57	Shure® SM57	Dynamic
3	Dyn 58	Shure® SM58	Dynamic
4	Dyn 421	Sennheiser® MD421	Dynamic
5	Dyn 16	Electro-Voice RE16	Dynamic
7	Dyn 112	AKG® D112	Dynamic
6	Dyn 609	Sennheiser® e609	Dynamic
11	Con U67	Neumann® U67	Condenser
8	Con 87A	Shure® Beta 87A	Condenser
9	Con U87	Neumann® U87	Condenser
10	Rib 121	Royal® R121	Ribbon

				Parameters &	Range							
No.	FX Name		Page 1			Page 2	_		Page 3		Description	
		1 Mix	2 Feedback	3 Time	1 Sync	2 Trail	3	1	2	3		
		0-100	0-100	20ms-4000ms	Off/On	Off/On						
1	Sweetie	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					Based on the legendary 3-knob BBD analog delay pedal with "REPEAT RATE" control	
		ratio	amount	time	on/off	on/off						
		Mix	Feedback	Time	Sync	Trail						
2	Recaller	0-100	0-100	20ms-4000ms	Off/On	Off/On					Based on legendary Electro-Harmonix® Deluxe Memory Man®	
-	riodonor	Contols the wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Switches Tap Tempo sync on/off	Switches effect trail on/off					Substanting State Transcribe State Transcriber	
		Mix	Feedback	Time	Sync	Trail						
3	Pure Eko	0-100	0-100	20ms-4000ms	Off/On	Off/On					Produce pure, precised delay sound	
3	Pule EKO	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					Produce pure, preased delay sound	
		ratio Mix	amount Feedback	time	on/off Sync	on/off Trail						
		0-100	0-100	20ms-4000ms	Off/On	Off/On						
4	Analog Eko	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					Produciing warm delay sound with analog feel	
		ratio	amount	time	on/off	on/off						
		Mix 0-100	Feedback 0-100	Time 20ms-4000ms	Sync Off/On	Trail Off/On					Based on Maxon® AD80 Analog Delay* (early MN3005 version) with great dynamics (due to 18V p	
5	Ekopress 80	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					supply) and slightly lo-fi'd repets	
		ratio	amount	time	on/off	on/off						
		Mix	Feedback	Time	Sync	Trail						
6	Mag Eko	0-100	0-100 Controls the feedback	20ms-4000ms Controls the delay	Off/On	Off/On Switches effect trail					Simulates solid-state tape echo sound	
		Contols the wet/dry signal ratio	amount	time	Switches Tap Tempo sync on/off	on/off						
		Mix	Feedback	Time	Sync	Trail						
7	Tube Eko	0-100	0-100	20ms-4000ms	Off/On	Off/On					Simulates tube-driven tape echo sound	
		Contols the wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Switches Tap Tempo sync on/off	Switches effect trail on/off					·	
		Mix	Feedback	Time	Sync	Trail						
8	Ekopress 900	0-100	0-100	20ms-4000ms	Off/On	Off/On					Based on Maxon® AD900 Analog Delay∗, providing warm, accurate delay sound	
٥	LKOPIESS 300	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					based on Maxon & Absol Analog belays, providing warm, accurate delay sound	
		ratio Mix	amount Feedback	time Time	on/off	on/off Trail						
		0-100	0-100	20ms-4000ms	Sync Off/On	Off/On						
9	Ekopress 999	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					Based on Maxon® AD999 Analog Delay+ with slightly overdriven delay sound	
		ratio	amount	time	on/off	on/off						
		Mix 0-100	Feedback 0-100	Time 20ms-4000ms	Sync Off/On	Trail Off/On						
10	Backmask	Contols the wet/dry signal	Controls the feedback	Controls the delay	Switches Tap Tempo sync	Switches effect trail					Producing a special delay effect with reversed feedback	
		ratio	amount	time	on/off	on/off						
		Mix A	FB A	Time A	Mix B	FB B	Time B	A Sync	B Sync	Trail		
11	Dual Eko	0-100	0-100	20ms-4000ms	0-100	0-100 Controls the	20ms-4000ms	Off/On	Off/On	Off/On	Producing a pure dual delay effect with separated L/R channel signal proessing	
11	Dudi Eko	Contols the delay A wet/dry signal ratio	Controls the feedback amount of delay A	Controls the delay time of delay A	Contols the delay B wet/dry signal ratio	feedback amount of delay B	Controls the delay time of delay B	Switches delay A Tap Tempo sync on/off	Switches delay B Tap Tempo sync on/off	Switches effect trail on/off	Troubling a pare data delay creek man separated on Calannel signal processing	
		Mix	Feedback	Time	Sync	Trail						
12	Ping Pong	0-100	0-100	20ms-4000ms	Off/On	Off/On					A ping-pong delay producing stereo feedbadk bounces back and forth between left and right ch	
		Contols the wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Switches Tap Tempo sync on/off	Switches effect trail on/off						
		Mix	Feedback	Time	Tone	Mode	Sync	Trail				
		0-100	0-100	20ms-4000ms	0-100	1-12	Off/On	Off/On				
13	Multi Head	Contols the wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Controls the effect tone brightness	Selects from 12 different head variations	Switches Tap Tempo syncon/off	Switches effect trail on/off			A multi tap delay that simulates a huge 4-head tape echo machine	
		Mix	Feedback	Time	Trail	valiations						
	Slapback	0-100	0-100	20ms-300ms	Off/On						Circulates the plantic plants of each office	
14		Contols the wet/dry signal	Controls the feedback	Controls the delay	0.11.1.11.11.11.11						Simulates the classic slapback echo effect	
14	Ciopodon											
14	oloppudit	ratio	amount	time	Switches effect trail on/off	T	0	W-1				
14	Suppose	ratio Mix	amount Feedback	time Time	Mod	Tone 0-100	Sync Off/On	Trail Off/On				
14	Vintage Rack	ratio Mix 0-100	amount Feedback 0-100	Time 20ms-4000ms	Mod 0-100	Tone 0-100 Controls the	Off/On	Off/On			Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-red	
		ratio Mix 0-100 Contols the wet/dry signal ratio	amount Feedback 0-100 Controls the feedback amount	Time 20ms-4000ms Controls the delay time	Mod	0-100 Controls the modulation brightness	Off/On Switches Tap Tempo sync on/off	Off/On Switches effect trail on/off			Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-red feedback	
		ratio Mix 0-100 Contols the wet/dry signal ratio Mix	amount Feedback 0-100 Controls the feedback amount Feedback	time Time 20ms-4000ms Controls the delay time Time	Mod 0-100 Controls the modulation amount Sweep Depth	0-100 Controls the modulation brightness Sweep Rate	Off/On Switches Tap Tempo sync on/off Swp Sync	Off/On Switches effect trail on/off Time Sync	Trail		Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-red feedback	
15	Vintage Rack	ratio Mix 0-100 Contols the wet/dry signal ratio Mix 0-100	amount Feedback 0-100 Controls the feedback amount	Time 20ms-4000ms Controls the delay time	Mod 0-100 Controls the modulation	0-100 Controls the modulation brightness	Off/On Switches Tap Tempo sync on/off Swp Sync Off/On	Off/On Switches effect trail on/off	Trail Off/On		feedback	
15		ratio Mix 0-100 Contols the wet/dry signal ratio Mix	amount Feedback 0-100 Controls the feedback amount Feedback	time Time 20ms-4000ms Controls the delay time Time	Mod 0-100 Controls the modulation amount Sweep Depth	0-100 Controls the modulation brightness Sweep Rate	Off/On Switches Tap Tempo sync on/off Swp Sync	Off/On Switches effect trail on/off Time Sync			Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-rec feedback Producing a delay effect with sweeping filter modulated repeats	
	Vintage Rack	ratio Mfx 0-100 Contols the wet/dry signal ratio Mfx 0-100 Contols the wet/dry signal ratio Mfx Mfx Mfx Mfx Mfx	amount Feedback 0-100 Controls the feedback amount Feedback 0-100 Controls the feedback amount Feedback	time Time 20ms-4000ms Controls the delay time Time 20ms-4000ms Controls the delay time	Mod 0-100 Controls the modulation amount Sweep Depth 0-100 Controls the sweeping depth	0-100 Controls the modulation brightness Sweep Rate 0-100 Controls the sweeping speed Trem Rate	Off/On Switches Tap Tempo sync on/off Swp Sync Off/On Switches sweeping Tap Tempo sync on/off Trem Sync	Off/On Switches effect trail on/off Time Sync Off/On Switches delay Tap Tempo sync on/off Time Sync	Off/On Switches effect trail on/off Trail		feedback	
15	Vintage Rack Sweep Eko	ratio Mix 0-100 Contols the wet/dry signal ratio Mix 0-100 Contols the wet/dry signal ratio	amount Feedback 0-100 Controls the feedback amount Feedback 0-100 Controls the feedback amount	time Time 20ms-4000ms Controls the delay time Time 20ms-4000ms Controls the delay time	Mod 0-100 Controls the modulation amount Sweep Depth 0-100 Controls the sweeping depth	0-100 Controls the modulation brightness Sweep Rate 0-100 Controls the sweeping speed	Off/On Switches Tap Tempo sync on/off Swp Sync Off/On Switches sweeping Tap Tempo sync on/off Trem Sync Off/On	Off/On Switches effect trail on/off Time Sync Off/On Switches delay Tap Tempo sync on/off	Off/On Switches effect trail on/off		feedback Producing a delay effect with sweeping filter modulated repeats	
15	Vintage Rack	ratio Mfx 0-100 Contols the wet/dry signal ratio Mfx 0-100 Contols the wet/dry signal ratio Mfx Mfx Mfx Mfx Mfx	amount Feedback 0-100 Controls the feedback amount Feedback 0-100 Controls the feedback amount Feedback	time Time 20ms-4000ms Controls the delay time Time 20ms-4000ms Controls the delay time	Mod 0-100 Controls the modulation amount Sweep Depth 0-100 Controls the sweeping depth	0-100 Controls the modulation brightness Sweep Rate 0-100 Controls the sweeping speed Trem Rate	Off/On Switches Tap Tempo sync on/off Swp Sync Off/On Switches sweeping Tap Tempo sync on/off Trem Sync	Off/On Switches effect trail on/off Time Sync Off/On Switches delay Tap Tempo sync on/off Time Sync	Off/On Switches effect trail on/off Trail		feedback	

10	LOII LKO	Contols the wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Controls the effect bit depth	Controls the effect downsampling rate	Switches Tap Tempo sync on/off	Switches effect trail on/off		Froducing a delay energ with to-fit d repeats		
		Dly Mix	Feedback	Time	Ring Mix	Freq	Tone	Sync	Trail			
		0-100	0-100	20ms-4000ms	0-100	0-100	0-100	Off/On	Off/On			
19	Ring Eko	Contols the delay wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Contols the modulation wet/dry signal ratio	Controls the ring modulation frequency	Controls the ring modulation tone	Switches Tap Tempo sync on/off	Switches effect trail on/off	Producing a delay effect with ring modulated repeats		
		Dly Mix	Feedback	Time	Rvb Mix	Hi Cut	Decay	Sync	Trail			
20	Ekoverb	0-100	0-100	20ms-4000ms	0-100	0-100	0-100	Off/On	Off/On	Combines delay and reverb in one		
20	Frovein	Contols the delay wet/dry signal ratio	Controls the feedback amount	Controls the delay time	Contols the reverb wet/dry signal ratio	Controls the reverb	Controls the reverb decay time	Switches Tap Tempo sync on/off	Switches effect trail on/off	Combined delay and reverb in one		

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Ampero FX List - RVB (10)								
No.	FX Title	Parameters & Range						
		Page 1			Page 2			Description
		1	2	3	1	2	3	
1	Room	Mix	Pre Delay	Decay	Trail			Simulates the spaciousness of a room
		0-100	0ms-100ms	0-100	Off/On			
		Controls the wet/dry signal ratio	Controls the pre delay time	Controls the reverb decay time	Switches effect trail on/off			
2	Hall	Mix	Pre Delay	Decay	Trail			Simulates the spaciousness of a performance hall
		0-100	0ms-100ms	0-100	Off/On			
		Controls the wet/dry signal ratio	Controls the pre delay time	Controls the reverb decay time	Switches effect trail on/off			
3	Church	Mix	Pre Delay	Decay	Trail			Simulates the spaciousness of a church
		0-100	0ms-100ms	0-100	Off/On			
		Controls the wet/dry signal ratio	Controls the pre delay time	Controls the reverb decay time	Switches effect trail on/off			
4	Plate	Mix	Decay	High Damp	Trail			Simulates the sound character produced by a vintage plate reverberator
		0-100	0-100	0-100	Off/On			
		Controls the wet/dry signal ratio	Controls the reverb decay time	Controls the high cut amount	Switches effect trail on/off			
5	Spring	Mix	Decay	Tone	Trail			Simulates the sound character produced by a vintage spring reverberator
		0-100	0-100	0-100	Off/On			
		Controls the wet/dry signal ratio	Controls the reverb decay time	Controls the effect tone brightness	Switches effect trail on/off			
6	Izumi	Mix	Decay	Trail				Special-tuned reverb effect with liquid-like decays and deep low ends
		0-100	0-100	Off/On				
		Controls the wet/dry signal ratio	Controls the reverb decay time	Switches effect trail on/off				
7	Northstar	Mix	Decay	Trail				Special-tuned reverb effect with lush, bright decays
		0-100	0-100	Off/On				
		Controls the wet/dry signal ratio	Controls the reverb decay time	Switches effect trail on/off				
8	Oceandeep	Mix	Decay	Trail				Special-tuned reverb effect with huge, deep decays
		0-100	0-100	Off/On				
		Controls the wet/dry signal ratio	Controls the reverb decay time	Switches effect trail on/off				
9	Sweet Space	Mix	Pre Delay	Decay	Lo End	Hi End	Trail	Produces a modulated reverb effect that is lush and sweet
		0-100	0ms-100ms	0-100	-50~0~+50	-50~0~+50	Off/On	
		Controls the wet/dry signal ratio	Controls the pre delay time	Controls the reverb decay time	Controls the effect low frequency amount	Controls the effect high frequency amount	Switches effect trail on/off	
10	Shimmer	Mix	Pre Delay	Decay	Lo End	Hi End	Trail	Produce a rich, shimmering reverb effect
		0-100	0ms-100ms	0-100	-50~0~+50	-50~0~+50	Off/On	
		Controls the wet/dry signal ratio	Controls the pre delay time	Controls the reverb decay time	Controls the effect low frequency amount	Controls the effect high frequency amount	Switches effect trail on/off	
			ad aradust names montioned above are tra					

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