

# EBS STANLEY CLARKE

## SIGNATURE ACOUSTIC PREAMP

### USERS MANUAL



## CHANNEL CONTROLS, SWITCHES & OUTPUTS

MID. These two knobs works in conjunction. Use the left control to pick a frequency. Use the right control to boost or cut the gain in the range of the chosen frequency. The MID-controls are identical on both channels.

MASTER controls the volume on the Output jack. The balanced output (XLR) is not affected by the setting of this knob.

BASS is a 'shelving' type filter with a wide gain range. Identical on both channels.

PHASE. This switch inverts the phase of the A channel when needed.

**MUTE FOOT SWITCH.** Mutes the balanced outputs and the master output. Fx Send is not affected by this function.

**ELECTRET FUNCTION**  
This switch should be set to OFF at all times, except when using an Electret pickup on the A channel (INPUT).



## REFERENCE GUIDE

TYPE selects the function of the FILTER knob between High Pass or Notch (same function available on both the A and B channel). Default position is HP with the FILTER knob turned down to OFF.



SOURCE sets the input source for the B channel to either 1/4" (CH B Input) or XLR (MIC Input)

GAIN adjusts the input signal level. An optimum level is when the peak led starts flashing when playing hard on your instrument. A correctly set gain is vital for the signal processing to work properly.

TREBLE is a shelving type filter controlling the higher mids and treble registers, giving presence and ambiance to the sound. The TREBLE control is identical on both channels.

FILTER works in conjunction with the TYPE switch for each channel. Choose between High Pass (HP) or Notch, and set the value with the Filter knob. Default position is the FILTER knob turned down to Off and the Type switch set to HP. Set the values individually for the A and B channel.

#### A/B FOOT SWITCH

When A+B push switch is in its' OUTER position:  
Selects between A or B channel when only the A input (INPUT) is used.

If XLR input or B channel 1/4" jack is used at the same time, B selects this source.

When A+B push switch is in its' INNER position:  
Selects between A or A+B, i.e. either only A or A in series with B channel when only A input is used. When B channel input jack is used or XLR is selected for channel B, both channels are mixed together and the A/B foot switch has no effect.

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- A** — TUNER OUT. This output is taken from the FX return and can be used to connect to a tuner. This output becomes active when Mute is on.
- B/C** — FX LOOP. Connect a TRS cable, such as the EBS ICY-30, to **B** to create an Effects Loop where you can insert your effects. **C** offer the choice to set the effects loop in parallel mode.
- D** — OUTPUT. This is the master output jack to be connected to another amp or power amplifier.



- E** — CHANNEL B INPUT. This input is a direct input to the B channel or to both A+B if the A+B switch is in its' inner position.
- F** — A+B. When A+B push switch is in its' OUTER position:  
Selects between A or B channel when only the A input (INPUT) is used.  
If XLR input or B channel 1/4" jack is used at the same time, B selects this source.
- When A+B push switch is in its' INNER position:  
Selects between A or A+B, i.e. either only A or A in series with B channel when only A input is used. When B channel input jack is used or XLR is selected for channel B, both channels are mixed together and the A/B foot switch has no effect.
- G** — INPUT - The A channel input is a low noise, high impedance instrument input.



*Note: The balanced output offers high-quality 'line box' signal for connecting to PA mixing consoles or to studio or broadcast recording units, with high noise immunity. The output level controlled by the MASTER knob does not affect this output.*

- H** MIC INPUT. Makes possible to use a +48V Phantom microphone as the input for the B channel.
- I** BAL OUT. This output sends a balanced output signal after the pedals equalizer.
- J** Engage this switch to add an emulated Speaker Simulation to the balanced output.
- K** GND LIFT. Eliminates ground noise and hum. When required, press the Gnd Lift switch to disconnect the ground from the balanced output.

- L** AUX IN. Auxiliary input to be monitored only with headphones. This input has no level control and the volume should be adjusted by the source.
- M** PHONES. Connect your headphones here for silent practicing. The volume from the preamp is controlled by the MASTER knob where the Aux In level needs to be adjusted from the signal source.
- N** DC INPUT. Connect the power supply here, only 9V DC, 1000 mA (supplied in package).

## TECHNICAL SPECIFICATIONS

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### Channel Specifications:

Input Impedance:		10 Mohms // 22 pF
Gain:	Gain Range	-∞/+30 dB
	Gain Peak LED (ch A = RED, B = yellow)	+10 dBv
	Frequency Response	+0/-3 dB 20-20.000 Hz
Bass Filter:	Type	Shelving
	Gain Range	+/- 15 dB @ 40 Hz
Mid Filter:	Type	Bandpass Filter
	Gain Range	+/- 13 dB
	Frequency Range	70 - 2500 Hz
	Q	0.8
Treble Filter:	Type	Shelving
	Gain Range	+/- 15 dB @ 10 kHz
HP Filter:	Type	12 dB/octave High Pass
	Frequency Range	20(off) - 450 Hz
Notch Filter:	Type	Bandpass Notch
	Frequency Range	70 - 2200 Hz
	Q	7
	Attenuation	7 dB (typically)
Electret Power (Channel A):		5V, 2mA

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**Common Features:**

Effects Loop:	Loop Signal Level	-10 dBv (nominal)
	Gain	Unity (1:1)
	Output Impedance	2 kohms
	Input Impedance	100 kohms
	Modes	Serial or Parallel
Phones Out:	Recommended Imp.	32 - 200 ohms
Aux Input:	Input Impedance	20 kohms
	Nominal Level	-10 dBv
Output:	Output Impedance	<1 kohms
	Signal Level	0 dBv (nominal)
Balanced Output:	Output Level	-20dBv (nominal)
	XLR Connections	1-GND, 2-Hot, 3-Cold
Balanced Input (Channel B):	Options	Gnd Lift, SPKR Sim
	Input Level	-30dBv (nominal)
	XLR Connections	1-GND, 2-Hot, 3-Cold
	48V Phantom	Yes

**Auxiliary Info:**

Power Requirements	Idle	500mA @9V
	max	800mA @9V (with headphones at max output level)
Dimensions (WxDxH):	max	168 x 124 x 53 mm / 6.6" x 4.9" x 2.1"
Weight:	660 g	(1.5 lbs.)

Specifications are subject to change without notice.

BLOCK DIAGRAM - STANLEY CLARKE ACOUSTIC SIGNATURE PREAMP

