

## FBT Maxx 4a – Control Panel

The control panel features a master volume control, preamp gain control, 3 band EQ with +/- 15dB of boost/cut @ 80Hz LF, 12 dB of cut/boost @2.5k Midrange and +/- 15 db cut/ boost @ 10kHz, a balanced Neutrik® input combo jack (female XLR, ¼" TRS, ¼"), balanced XLR link output jack, microphone / line input switch, and ground lift switch, LED power on and separate HF and LF overload LED indicators.



### **FBT Maxx Series Full Range 2 way Powered Speaker Control Panel Features**

The FBT Maxx powered speakers have the most sophisticated control panel of ANY powered speaker on the market.

#### **Control Panel Features of the Maxx 4a**

- 1) **PWR:** power on indicator – Green LED indicates power ON when lit.
- 2) **GND LIFT:** Ground Lift Switch: eliminates AC Hum when speakers and other connected equipment are receiving power from different AC circuits in a Venue or when using in an older building with old ungrounded (2 pin) or 3 pin AC outlet where a retrofit AC plug was installed, but the Grounding pin was not wired to ground.
- 3) **IN:** Input jack: Genuine Neutrik® 3 way combo jack input which accepts either a balanced XLR mic cable, Balanced TRS ¼" Jack /instrument cable as well as standard ¼" jack instrument cable.
- 4) **OUT:** XLR Balanced output for connecting additional powered speakers in a daisy - chain fashion.  
\*This XLR Output jack can also be used to pass a pre EQ, Pre Gain signal from the output to a balanced XLR input on a F.O.H. Audio Mixer if the user is using the FBT Maxx Speaker as a Personal on Stage Floor monitoring system: Place mic/line switch into the MIC position when connecting this way. Plug the Singers Mic Directly into the Maxx speaker input XLR and connect from the XLR out to an in channel on the audio mixer. This is where the Maxx Speakers control panel features really offers the user a lot more: The PRE AMP Gain Control and 3 Band EQ provides the user to adjust the Gain from the Mic and a personalized EQ setting to get the Maximum Gain Before Feedback from their personal Maxx speaker monitor and then to the MASTER Volume Control. Same thing when using a Maxx powered Speaker as an on stage Keyboard/ Acoustic Guitar/ Guitar Synthesizer amplification system.
- 5) **Mic/ Line Switch :** in the out position use with a line source, an Audio Mixer, D.J. Mixer or an Instrument. In the IN position, use with a Dynamic Microphone.
- 6) **PREAMP GAIN CONTROL :** A FBT EXCLUSIVE FEATURE! This control regulates the GAIN structure from either a Microphone or from the output signal from an Audio or D.J. mixer.
- 7) **3 Band EQ:** 15db+ - of boost/ cut per band. LF set @80Hz, Midrange @ 2.5k, HF @ 10k  
\* FBT was the 1<sup>st</sup>. manufacturer to place onboard EQ on a powered speaker, the Maxx 4a.

- 8) **Master Volume Control:** regulates volume output to the internal speakers in the Maxx powered speakers.
- 9) **A.D.A.P.:** Advanced Dynamic Active Protection- These FBT exclusive patented circuits protect both the power amps and the woofer and HF driver from overloads, thermal shutdowns and excessive signal from a mixer or instrument. Unlike a standard Compressor / Limiter used by all other powered speaker manufacturers which produces a Audible ramp down of Volume to the human ear, the FBT ADAP® circuit limits the overloaded signal WITHOUT a Audible Volume loss to the ear. The Two LED indicators show the status of the INDEPENDENT LOW Frequency and HIGH Frequency ADAP Circuits.