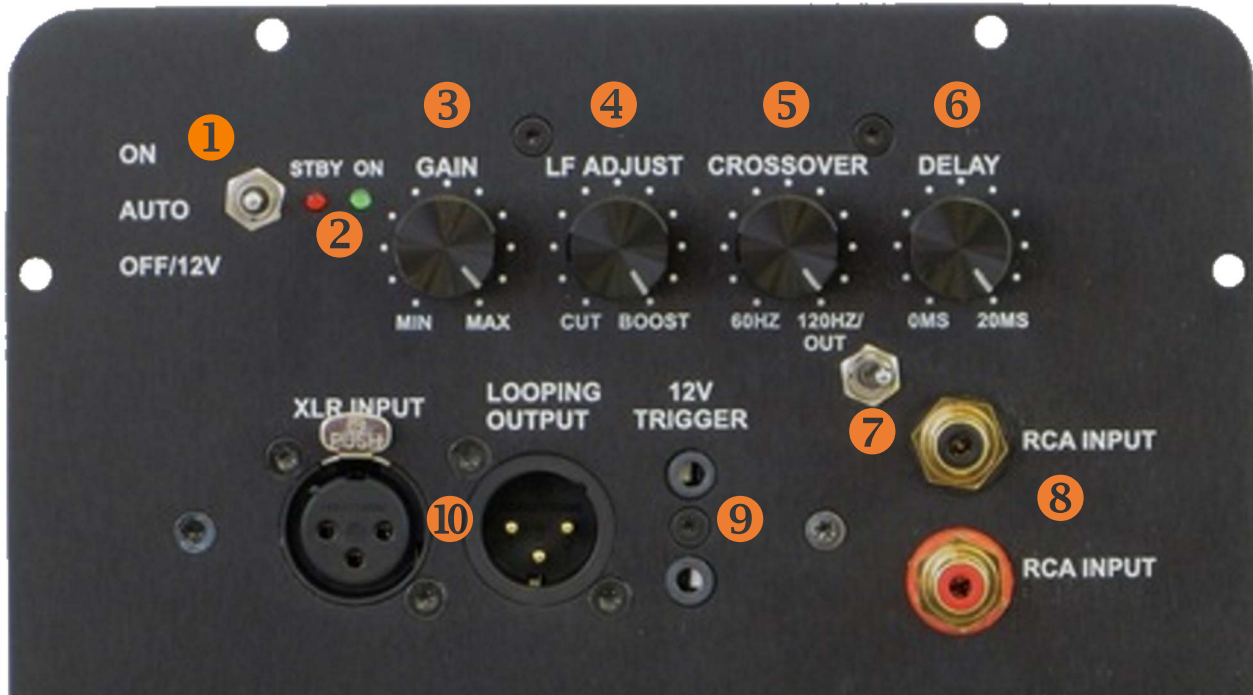


## Subwoofer Amplifier Controls



- 1 Power Switch** – This toggle switch has three settings: **OFF/12V**, **AUTO**, and **ON**. When set to **OFF/12V**, the amp will remain off until a turn-on signal is provided through the **12V TRIGGER** port. The **AUTO** setting will keep the amp off until a signal is sensed through the XLR or RCA inputs. **ON** will keep the amp on and use 11 watts when not playing a signal. **NOTE:** For this switch to function, the master power switch next to the power cord plug at the bottom of the amp must be switched to **ON**.
- 2 Status Indicators** – When the amp is on the green **ON** LED will be lit. When the amp is waiting for a signal with the **Power Switch** in **AUTO** mode, the standby (**STBY**) red LED will be lit.
- 3 Gain** – The **GAIN** controls the input signal volume in 1 dB steps from -12dB to 0.
- 4 LF Adjust** – This adjusts the subwoofer's low frequency response in a narrow band with an adjustment of -4 dB to +7 dB. For the Mariana 18S, this adjustment is centered at 19 Hz with a Q-factor of 0.8 while the Mariana 24S has the adjustment centered at 15 Hz. In room the Mariana 24S routinely measures flat to 7 Hz, while the Mariana 18S is often flat to 10Hz.
- 5 Crossover** – This selects a low-pass crossover starting at 60 Hz and going to 120 Hz. The 12 options are 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120, and 300. Set to 300 if you want to use an outboard crossover such as that provided by a receiver.
- 6 Delay** – This control specifies a delay between 0 ms to 20 ms. This is primarily used to integrate speakers and subwoofers to address distance differences.
- 7 Input Selector** – Set this switch to the right when using RCA inputs and to the left when using XLR.

- 8 **RCA Input** – The subwoofer amplifier can receive an audio signal via an RCA connection or XLR. Two RCA connectors are available but only one is required. If two RCA connections are made, the inputs are summed. The **Input Selector** should be switched to the right to use an RCA connection.
- 9 **12V Trigger** – Some receivers, integrated amplifiers, or specific devices have the ability to turn the subwoofer's amplifier on using a 12V trigger. You will need a 1/8"/3.5mm monoaural cable to connect the device and subwoofer. With the cable connection and the power switch set to **OFF/12V**, the subwoofer's amplifier will turn on when a signal is initiated by the receiver or similar device.
- 10 **XLR Input/Output** – The subwoofer amplifier can receive a signal via a XLR cable with a male connector. The **Input Selector** should be switched to the left when using an XLR cable. When using an **XLR Input**, a signal may also be sent to a downstream device such as another subwoofer by using the **Looping Output** connection, which requires a XLR cable with a female connector.