



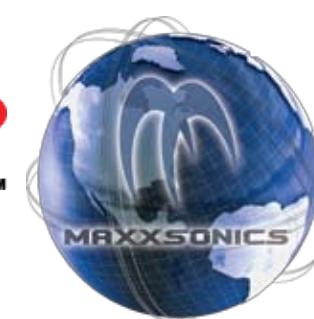
# MX OEM INTEGRATION ACCESSORIES



# MX-1 Premium High-to-Low Level Converter

Easily add an aftermarket amplifier to any OEM radio system with this superior line-level controller that converts factory high-level speaker wires into unbalanced low-level (RCA) outputs and adds multiple sound shaping controls to clean up the high distortion factory outputs and provides a super low distortion output signal to the amplifier.

**TIRED OF THE SAME OLD NOISE?**  
VISIT [MAXXSONICS.COM](http://MAXXSONICS.COM)



**2 PARAMETRIC BASS EQ:**  
An incredible feature for selecting a specific frequency, selecting a level of boost and determining the width span of the boost.

**3 BOOST:**  
Variable from 0dB to +10dB. At 0, the PARAMETRIC BASS EQ is OFF.

**4 BANDWIDTH:**  
Variable from Narrow (all the way to the Left) to Wide (all the way to the Right). Narrow will focus on a selected FREQUENCY of BOOST and bleed into less frequencies. As the potentiometer is turned to the right, the range of frequencies is increased being boosted above and below the selected BOOST FREQUENCY.

**5 FREQUENCY:**  
Variable from 30Hz to 100Hz. The potentiometer selects the center FREQUENCY to be boosted with the PARAMETRIC BASS EQ feature.

**1 SUBWOOFER INPUT LEVEL:**  
Variable from 40Volts to 4Volts. This control is used to match the output signal level from a headunit.



CLICK TO SEE THE  
**MX-1**  
INSTALLATION VIDEO

**15** POWER ON INDICATOR

**14 HIGH LEVEL FRONT(F) & REAR(R) INPUT CONTROL:**  
Variable from 40Volts to 4Volts. This control is used to match the output signal level from a head unit to the Front and Rear speakers.

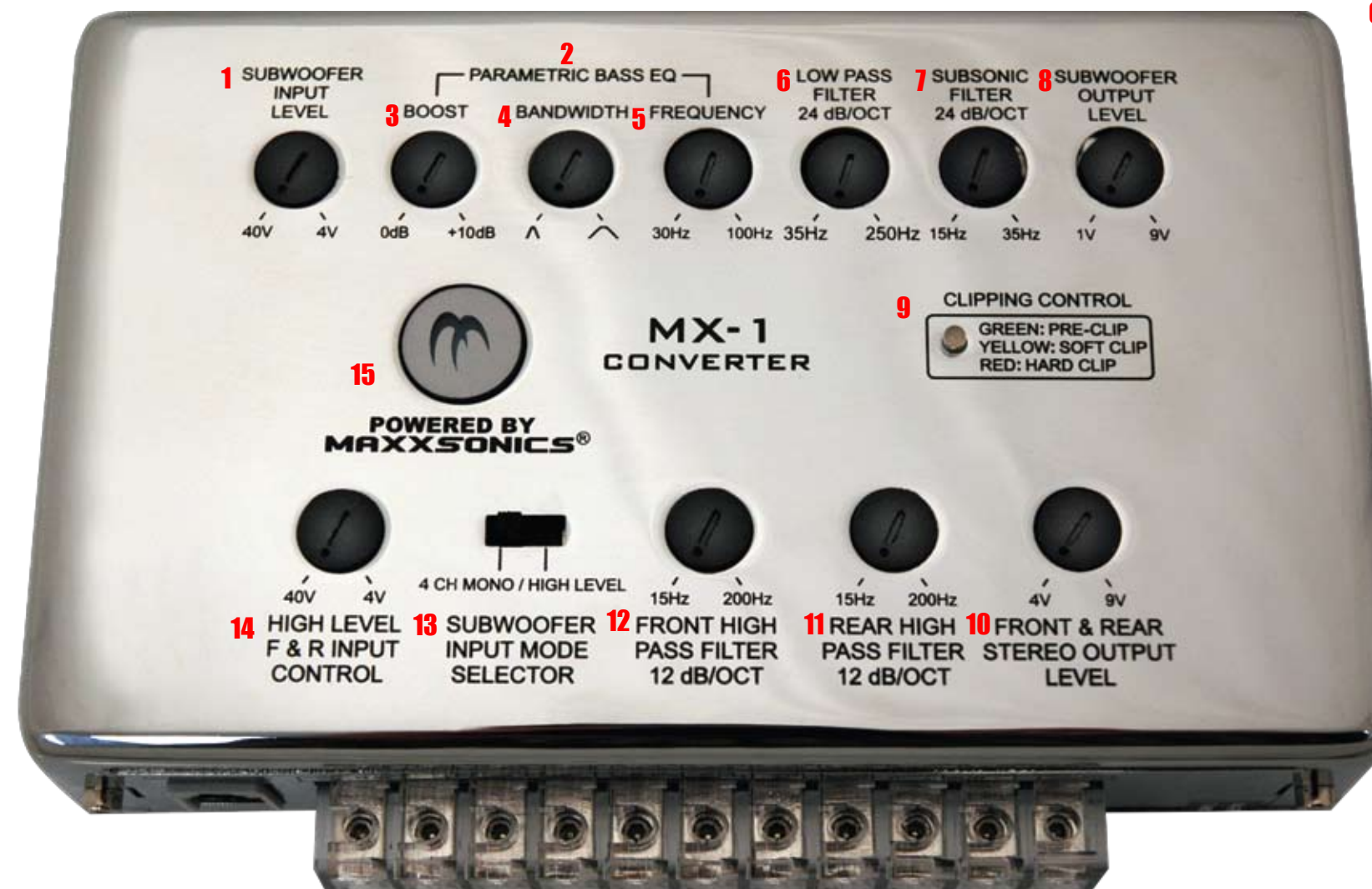
**13 SUBWOOFER INPUT MODE SELECTOR:**  
4-Channel Mode: No subwoofer is present in the factory system so the MX-1 auto-sums the High Level signal from the Front & Rear Stereo Inputs and converts them into Low Level (RCA) signal for the Subwoofer Output.

High Level Mode: The factory system has a High Level subwoofer output which is connected to the input on the Sub + & - and is converted to Low Level (RCA) signal for the Subwoofer Output.

**12 FRONT HIGH PASS FILTER:**  
Variable from 15Hz to 200Hz. This filter features a 12dB per Octave roll off. This means that the FRONT HIGH PASS FILTER has a gradual roll-off and allows for a smooth cutoff. The FRONT HIGH PASS FILTER allows frequencies above a selected setting to pass thru while cutting out frequencies below the selected setting for the front speakers.

**11 REAR HIGH PASS FILTER:**  
Variable from 15Hz to 200Hz. This filter features a 12dB per Octave roll off. This means that the REAR HIGH PASS FILTER has a gradual roll-off and allows for smooth cutoff. The REAR HIGH PASS FILTER allows frequencies above a selected setting to pass thru while cutting out frequencies below the selected setting for the rear speakers.

**10 FRONT & REAR STEREO OUTPUT LEVEL:**  
Variable from 4Volts to 9Volts. This control is used to adjust signal output voltage to an amplifier. Use caution when adjusting the signal output to be provided to the amplifier as damage can occur if more signal is supplied than the amplifier is rated to handle.



**6 LOW PASS FILTER:**  
Variable from 35Hz to 250Hz. This filter features a 24dB per Octave roll off. This means that the LOW PASS FILTER has a steep cut-off and allows for very precise tuning. The LOW PASS FILTER allows frequencies below a selected setting to pass thru while cutting out frequencies above the selected setting.

**7 SUBSONIC FILTER:**  
Variable from 15Hz to 35Hz. This filter features a 24dB per Octave roll off. This means that the SUBSONIC FILTER has a steep cut-off and allows for very precise tuning. The SUBSONIC FILTER allows frequencies above a setting to pass thru while cutting out damaging and unwanted frequencies below the selected setting.

**8 SUBWOOFER OUTPUT LEVEL:**  
Variable from 1Volt to 9Volts. This control is used to adjust signal output voltage to an amplifier. Use caution when adjusting the signal output to be provided to the amplifier as damage can occur if more signal is supplied than the amplifier is rated to handle.

**9 CLIPPING CONTROL:**  
While adjusting the head unit, MX-1 or amplifiers, the CLIPPING CONTROL LED may illuminate by color to alert of an existing condition. This indicator provides an opportunity to identify incorrect settings or high distortion so that a correction can be made to the equipment before damage occurs.

## Features

- High Level Inputs: Accepts all types of high-level input signals including floating ground type, low and high voltage speaker wires
- Audio Signal Sense: Speaker audio signal detection automatically turns on the controller and the amplifier (MX-1 has both remote wire and signal sense capabilities)

- Balanced Line Driver: Ultra-clean DIN variable high-voltage output drives mono amplifiers with BLD input
- Remote Output: Built-in amplifier circuit activates any aftermarket +12 volt amplifier upon radio activation
- Bass Remote: Included bass remote featuring built-in clipping indicators allows direct bass control from in-dash or under-dash

# MX-3 Bass Controller

Working in conjunction with an aftermarket radio and amplifier, the Bass Controller takes the designated radio subwoofer or full-range stereo output from the radio and processes the low frequency bass notes. In turn, this enhances the bass response, increases linearity, buffers unwanted transient noise and improves the frequency range for overall improved bass quality.

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**1 PARAMETRIC BASS EQ:**  
An incredible feature for selecting a specific frequency, selecting a level of boost and determining the width span of the boost.

**2 BOOST:**  
Variable from 0dB to +10dB. At 0, the PARAMETRIC BASS EQ is OFF.

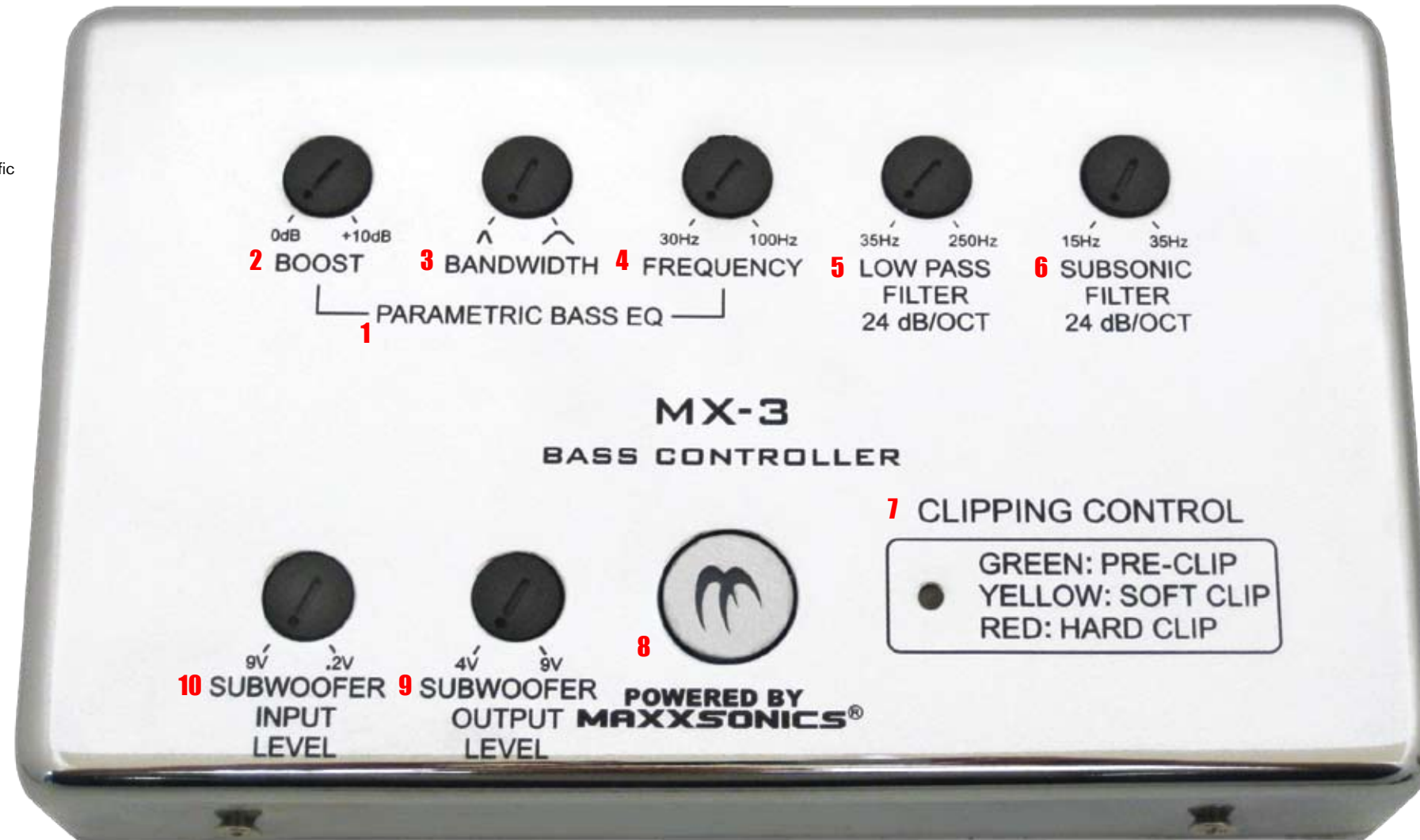
**3 BANDWIDTH:**  
Variable from Narrow (all the way to the Left) to Wide (all the way to the Right). Narrow will focus on a selected FREQUENCY of BOOST and bleed into less frequencies. As the potentiometer is turned to the right, the range of frequencies is increased being boosted above and below the selected BOOST FREQUENCY.

**4 FREQUENCY:**  
Variable from 30Hz to 100Hz. Use the potentiometer to select the center FREQUENCY to be boosted with the PARAMETRIC BASS EQ feature.

**5 LOW PASS FILTER:**  
Variable from 35Hz to 250Hz. This filter features a 24dB per Octave roll off. This means that the LOW PASS FILTER has a steep cut-off and allows for very precise tuning. The LOW PASS FILTER allows frequencies below a selected setting to pass thru while cutting out frequencies above the selected setting.

**6 SUBSONIC FILTER:**  
Variable from 15Hz to 35Hz. This filter features a 24dB per Octave roll off. This means that the SUBSONIC FILTER has a steep cut-off and allows for very precise tuning. The SUBSONIC FILTER allows frequencies above a setting to pass thru while cutting out damaging and unwanted frequencies below the selected setting.

**7 CLIPPING CONTROL:**  
While adjusting the head unit, MX-3 or amplifiers, the CLIPPING CONTROL LED may illuminate by color to alert of an existing condition. This indicator provides an opportunity to identify incorrect settings or high distortion so that a correction can be made to the equipment before damage occurs.



**8 POWER ON INDICATOR**

**10 SUBWOOFER INPUT LEVEL:**  
Variable from 9Volts to 0.2Volts. This control is used to match the output signal level from a headunit.

**9 SUBWOOFER OUTPUT LEVEL:**  
Variable from 4Volts to 9Volts. This control is used to adjust signal output voltage to the amplifier. Use caution when adjusting the signal output provided to the amplifier as damage can occur if more signal is supplied than the amplifier is rated to handle.

## Features

- **Parametric Bass EQ:** Provides a wide array of subwoofer output signal shaping controls to enhance bass response and sound quality including Bass Boost, adjustable Bandwidth (wide and narrow), Low Pass and Subsonic Filter
- Accepts a wide range of incoming music signal levels while accommodating all types of head units and signal processors and controlling the output level to the amp to maximize a signal strength up to 9 volts
- **Clipping Indicators:** Visual clipping indicators provide indication of damaging clipped signals to help protect the subwoofer and amplifier. Includes pre-clip, soft-clip as well full-clip indicators
- Shapes the music signal to achieve deep bass notes as low as 15 Hz
- **Bass Remote:** Included bass remote featuring built-in clipping indicators allows direct bass control from in-dash or under-dash

## MX-2 Deluxe High-to-Low Level Converter

Conveniently converts a stock head unit's speaker wire signal (high level) into an RCA (low level) signal for use with an aftermarket amplifier.

- 1 HIGH LEVEL FRONT(F) & REAR(R) INPUT CONTROL:** Variable from 40Volts to 4Volts. This control is used to match the output signal level from a head unit to the Front and Rear speakers.

- 2 FRONT HIGH PASS FILTER:** Variable from 15Hz to 200Hz. This filter features a 12dB per Octave roll off. This means that the FRONT HIGH PASS FILTER has a gradual roll-off and allows for a smooth cutoff. The FRONT HIGH PASS FILTER allows frequencies above a selected setting to pass thru while cutting out frequencies below the selected setting for the front speakers.



- 3 REAR HIGH PASS FILTER:** Variable from 15Hz to 200Hz. This filter features a 12dB per Octave roll off. This means that the REAR HIGH PASS FILTER has a gradual roll-off and allows for smooth cutoff. The REAR HIGH PASS FILTER allows frequencies above a selected setting to pass thru while cutting out frequencies below the selected setting for the rear speakers.

**4 POWER ON INDICATOR**

- 5 FRONT & REAR STEREO OUTPUT LEVEL:** Variable from 4Volts to 9Volts. This control is used to adjust signal output voltage to an amplifier. Use caution when adjusting the signal output to be provided to the amplifier as damage can occur if more signal is supplied than the amplifier is rated to handle.

## MX-4 Add-A-Sub High-to-Low Level Converter

This unique Controller provides the ideal way to add more bass without changing an entire OEM radio system.

- 1 SUBWOOFER OUTPUT LEVEL:** Variable from 4Volts to 9Volts. This control is used to adjust signal output voltage to an amplifier. Use caution when adjusting the signal output to be provided to the amplifier as damage can occur if more signal is supplied than the amplifier is rated to handle.

- 2 SUBWOOFER INPUT LEVEL:** Variable from 40Volts to 4Volts. This control is used to match the output signal level from a head unit.



### Features

- Converts and filters high-level factory speaker wires into ultra-clean unbalanced (RCA) low-level signals to an aftermarket amplifier
- High Level Inputs: Accepts all types of high-level input signals including floating ground type, low and high voltage speaker wires
- Audio Signal Sense: Speaker audio signal detection automatically turns on the Controller and the amplifier (MX-2 has both remote wire and signal sense capabilities)
- Remote Output: Built-in amplifier circuit activates any aftermarket +12 volt amplifier upon radio activation
- Input and Output Level Control: The system provides high level input and output level (gain) control for both full range and subwoofer signals

### Features

- Converts and filters high-level factory speaker wires into ultra-clean unbalanced (RCA) low-level signals to an aftermarket amplifier
- High Level Inputs: Accepts all types of high-level input signals including floating ground type, low and high voltage speaker wires
- OEM high-level input voltages are adjustable from 4 volts to 40 volts
- Unbalanced line outputs are adjustable to the aftermarket amplifier from 4 volts to 9 volts