



**SERIES**

***AMPLIFIER***

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*Owner's Manual*

*Models:*

**XM12.1**

**XM15.4**

**XM30.2**

**JAVELIN**

**exileaudio**



## **SPECIFICATIONS** *Monoblock*

Amplifier Class	Class D
Frequency Response:	30 - 200Hz
Total Harmonic Distortion	< 0.5%
Signal to Noise Ratio:	92dB
Gain Range	0.2 - 6V
Low Pass Crossover Range	50 - 250Hz
Subsonic Crossover Range	15 - 250Hz
Bass Boost @ 45Hz:	0 to +18dB
Operational Efficiency	> 85%
Remote Bass Control	Yes
Damping Factor:	> 200
CEA-2006 Compliant	Yes

### **XM12.1**

Channels	1
Into 1 ohm	1200w x 1
Into 2 ohm	880w x 1
Fuse Size:	40A x 3
Power/Ground Wire Size:	4 Gauge
Dimensions:	15.0in L x 7.5in W x 2.3in H

## **SPECIFICATIONS** *Multichannel*

Amplifier Class	Class D
Frequency Response:	30 - 200Hz
Total Harmonic Distortion	<0.5%
Signal to Noise Ratio:	92dB
Gain Range	0.2 - 6V
Low Pass Crossover Range	50 - 250Hz
Subsonic Crossover Range	15 - 250Hz
Bass Boost @ 45Hz:	0 to +18dB
Operational Efficiency	> 85%
Remote Bass Control	Yes
Damping Factor:	> 200
CEA-2006 Compliant	Yes

### **XM15.4**

Channels	4
Into 4 ohm	150w x 4
Into 2 ohm	225w x 4
In to 4 ohm Bridged	450w x 2
Fuse Size	40Ax2
Power/Ground Wire Size	4 AWG
Dimensions	12.7in L x 7.5in W x 2.3in H

### **XM30.2**

Channels	2
Into 4 ohm	300w x 2
Into 2 ohm	420w x 2
In to 4 ohm Bridged	840w x 1
Fuse Size	40Ax2
Power/Ground Wire Size	4 AWG
Dimensions	10.8in L x 7.5in W x 2.3in H

### **JAVELIN**

Channels	5
Into 4 ohm	100w x 4
Into 2 ohm	150w x 4
In to 4 ohm Bridged	300w x 2
Into 2 ohm (Sub CH)	800w x 1
Into 4 ohm (Sub CH)	500w x 1
Fuse Size	40Ax3
Power/Ground Wire Size	4 AWG
Dimensions	15.0in L x 7.5in W x 2.3in H



All amplifier power specifications listed are CEA-2006 compliant and have been rated accordingly.

*Amplifiers were tested at 14.4V with a 4 ohm load and  $\leq 1\%$  THD+N*

# JAVELIN 5 Channel Power Amplifier



## OUTPUT

Connect preamp signal cables from the head unit to these terminals.

## FRONT AND REAR

Connect preamp signal cables from the head unit to these terminals.

## GAIN

Used to reach maximum amplifier power with a wide variety of headunits.

## HPF

Controls the high pass crossover point for the speaker outputs.

## LPF

Controls the low pass crossover point for the speaker outputs.

## BASS BOOST

Variable bass boost from 0 to +18dB @ 45 Hz.

## CONFIG

- 2 - Set to 2 when only 1 RCA input is available from the source. This drives all three channels from either the Front, Rear or Sub input.
- 4 - Set to 4 when only the Front and Rear RCA inputs are available from the source. This drives the Front channel from the Front RCA input and the Rear and Subwoofer channels from the Rear RCA input.
- 6 - Set to 6 when all three, Front, Rear and Sub, RCA inputs are available from the source. All channels have their own specific input.

## SUB

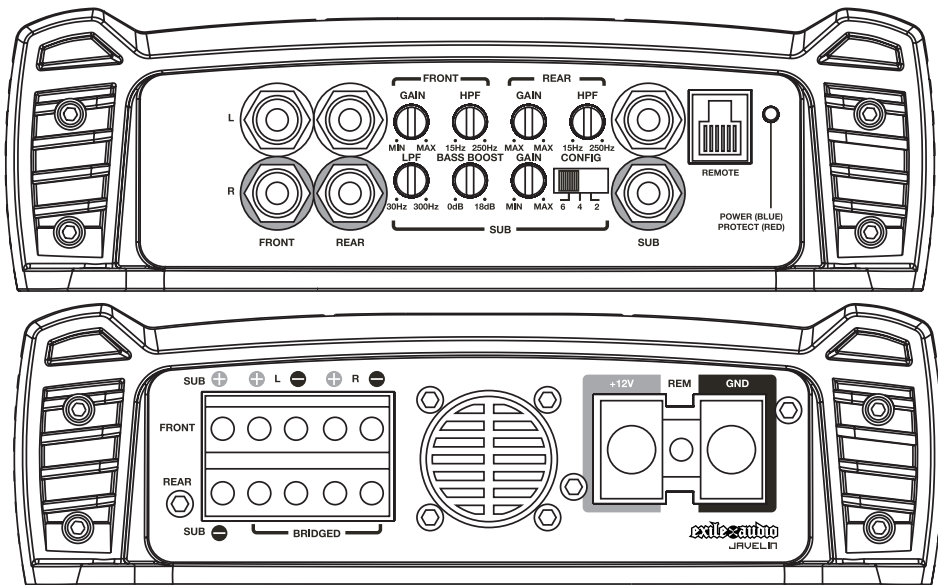
Connect subwoofer preamp signal cables from the head unit to this terminal.

## REMOTE

This port is for connecting the optional remote level control (XMRB1). This allows up to 20dB of volume adjustment. This is not a bass boost, it controls the level of the low pass signal.

## POWER/PROTECT

Indicates if the amplifier is working correctly (BLUE) or gone into protect mode (RED).



## SPEAKER OUTPUTS

Used to connect the amplifier to the speakers. Use the left channel positive (+) and the right channel negative (-) for bridged mode.

## 12V+

This must be connected to the fused positive terminal (+12V) of the car's battery.

## REMOTE

This must be connected to switched +12V, usually a trigger wire coming from the head unit or ignition.

## GND

This must be connected to the negative terminal of the car's battery or bolted to a clean, unpainted part of the chassis of the vehicle.



## 2 Channel Power Amplifier **XM30.2**

### OUTPUT

Connect preamp signal cables from the head unit to these terminals.

### INPUT

Connect preamp signal cables from the head unit to this terminal.

### HPF

Controls the high pass crossover point for the speaker outputs.

### XOVER

HF - Sends high frequency signal to speakers.

FULL - Sends a full range signal to speakers.

LF - Sends low frequency signal to subwoofer.

### LPF

Controls the low pass crossover point for the speaker outputs.

### BASS BOOST

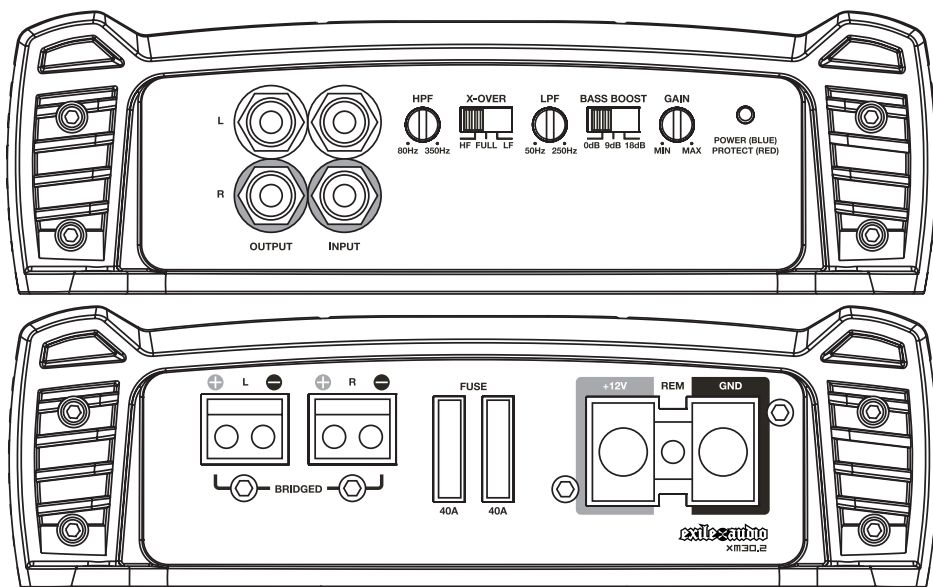
Variable bass boost from 0 to +18dB @ 45 Hz.

### GAIN

Used to reach maximum amplifier power with a wide variety of headunits.

### POWER/PROTECT

Indicates if the amplifier is working correctly (BLUE) or gone into protect mode (RED).



### SPEAKER OUTPUTS

Used to connect the amplifier to the speakers. Use the left channel positive (+) and the right channel negative (-) for bridged mode.

### FUSE

This amplifier requires two 40A fuses.

### 12V+

This must be connected to the fused positive terminal (+12V) of the car's battery.

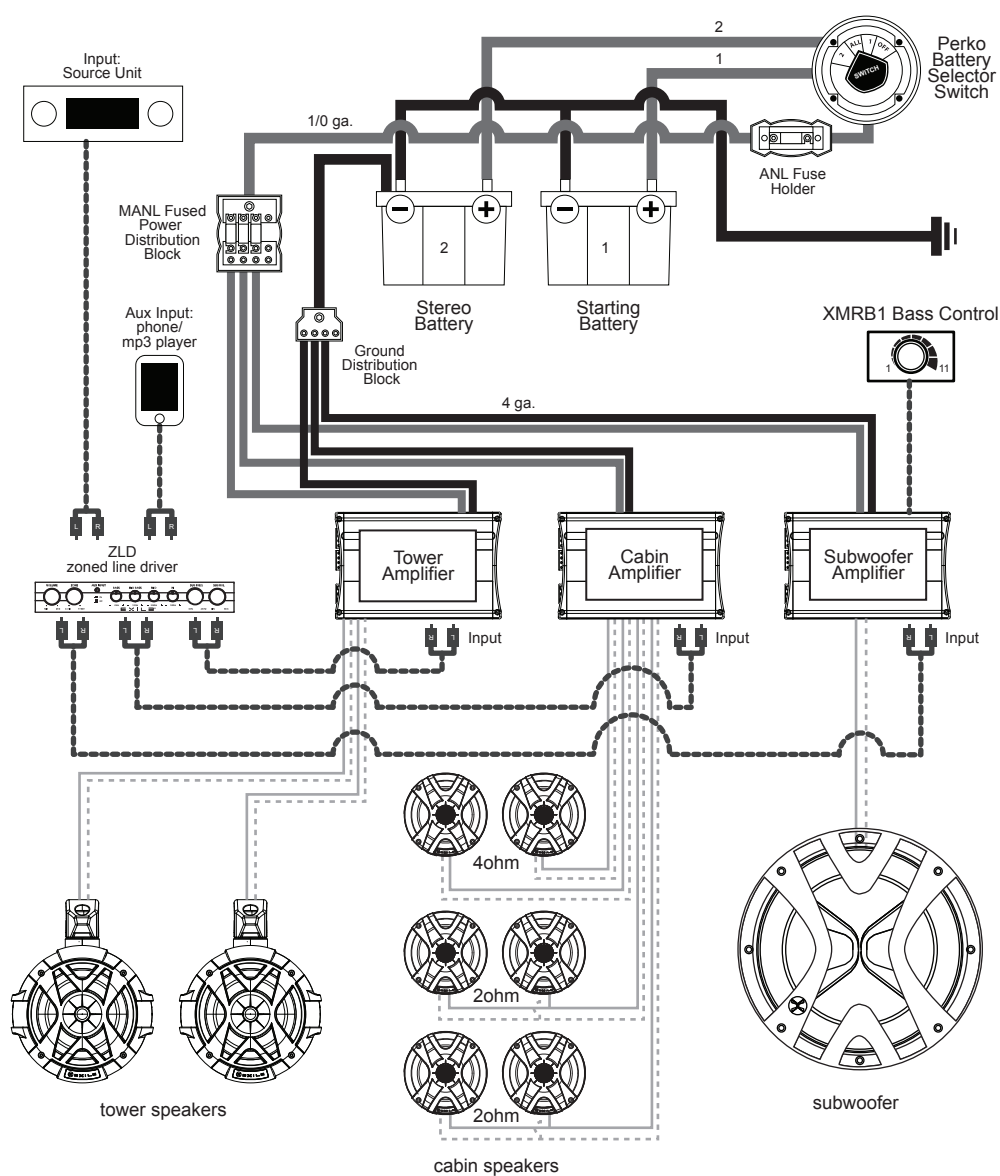
### REMOTE

This must be connected to switched +12V, usually a trigger wire coming from the head unit or ignition.

### GND

This must be connected to the negative terminal of the car's battery or bolted to a clean, unpainted part of the chassis of the vehicle.

Marine Installation Guide **POWERFLOW**





## 4 Channel Power Amplifier ***XM15.4***

### OUTPUT

Connect preamp signal cables from the head unit to these terminals.

### INPUT (FRONT AND REAR)

Connect preamp signal cables from the head unit to these terminals.

### HPF

Controls the high pass crossover point for the speaker outputs.

### XOVER

HF - Sends high frequency signal to speakers.

FULL - Sends a full range signal to speakers.

LF - Sends low frequency signal to subwoofer.

### LPF

Controls the low pass crossover point for the speaker outputs.

### BASS BOOST

Variable bass boost from 0 to +18dB @ 45 Hz.

### GAIN

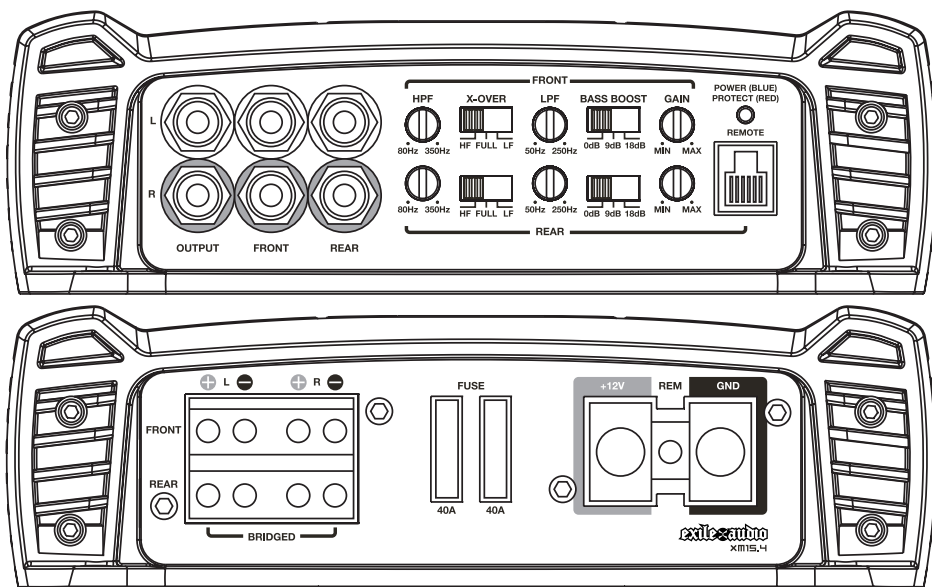
Used to reach maximum amplifier power with a wide variety of headunits.

### POWER/PROTECT

Indicates if the amplifier is working correctly (BLUE) or gone into protect mode (RED).

### REMOTE

This port is for connecting the optional remote level control (XMRB1). This allows up to 20dB of volume adjustment. This is not a bass boost, it controls the level of the low pass signal.



### SPEAKER OUTPUTS

Used to connect the amplifier to the speakers. Use the left channel positive (+) and the right channel negative (-) for bridged mode.

### FUSE

This amplifier requires two 40A fuses.

### 12V+

This must be connected to the fused positive terminal (+12V) of the car's battery.

### REMOTE

This must be connected to switched +12V, usually a trigger wire coming from the head unit or ignition.

### GND

This must be connected to the negative terminal of the car's battery or bolted to a clean, unpainted part of the chassis of the vehicle.

# ***XM12.1*** Monoblock Power Amplifier



## **INPUT**

Connect preamp signal cables from the head unit to these terminals.

## **GAIN**

Used to reach maximum amplifier power with a wide variety of headunits.

## **PHASE**

Switches the output signal 180°.

## **SUBSONIC**

Controls the highpass crossover point for the speaker outputs to eliminate extreme low frequencies.

## **FREQ**

Controls the lowpass crossover point for the speaker outputs.

## **BASS BOOST**

Variable bass boost from 0 to +12dB @ 45 Hz.

## **LPF**

Variable bass boost from 0 to +12dB @ 45 Hz.

## **POWER/PROTECT**

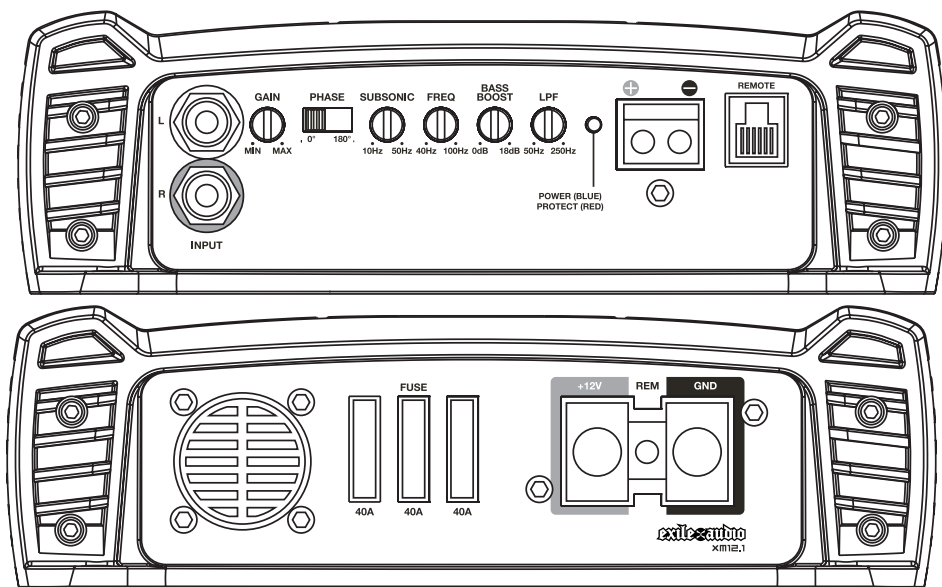
Indicates if the amplifier is working correctly (BLUE) or gone into protect mode (RED).

## **SPEAKER OUTPUTS**

Used to connect the amplifier to speakers. SM600.1 minimum impedance of 2 ohm.

## **REMOTE**

This port is for connecting the optional remote level control (XMRB1). This allows up to 20dB of volume adjustment. This is not a bass boost, it controls the level of the low pass signal.



## **FUSE**

This amplifier requires three 40A fuses.

## **12V+**

This must be connected to the fused positive terminal (+12V) of the car's battery.

## **REMOTE**

This must be connected to switched +12V, usually a trigger wire coming from the head unit or ignition.

## **GND**

This must be connected to the negative terminal of the car's battery or bolted to a clean, unpainted part of the chassis of the vehicle.



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DESIGNED AND ENGINEERED IN THE USA

#### LIMITED WARRANTY

Exile warrants this product to be free from defects in material and workmanship under normal use for a period of one year from date of original purchase when purchased from an Authorized Exile Dealer. If the product is labeled B Stock/Refurbished and purchased from an Authorized Exile Dealer, it is warranted for 90 days from date of purchase, regardless of place of installation. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction during the warranty period, Exile will replace or repair (at its discretion) the defective merchandise with equivalent merchandise at no charge. Warranty replacements on B-Stock merchandise may have cosmetic scratches and blemishes. Discontinued products may be replaced with more current equivalent products. This warranty is valid only for the original purchaser and is not extended to owners of the product subsequent to the original purchaser. Any applicable implied warranties are limited in duration to a period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties, therefore these exclusions may not apply to you. This warranty gives you specific legal rights; however you may have other rights that vary from state to state. This warranty is only valid within the USA, for warranties outside of the USA consult the appropriate international distributor.