

# TREO ENGINEERING

# MSX

Treo Engineering is preparing for its 10 year anniversary by releasing a new class of the smallest power packed amps the world has ever held in one hand.

The all-new TREO MSX Compact Amplifier lineup delivers full-size power to your speakers or subwoofers from the most compact amplifier chassis in the industry.

Small size does NOT mean these amps are light on features; these amplifiers come loaded with all necessary features to achieve sonic bliss in the most demanding applications. Mid-engine sports cars, motorcycles, and regular cab trucks have always been some of the most challenging mobile audio applications, and TREO MSX Amplifiers have been designed from the circuit board up to deliver audiophile sound quality and high output in these tough spots.

Some other small amplifiers can't take the heat, but TREO MSX Amplifiers have been torture-tested to guarantee nonstop operation and have the heat sink capability to operate in tight confinement in vehicles and the design has been refined to the point that these amps don't even require fan cooling.

High efficiency design coupled with intelligent audio filters enable these amps to draw the absolute minimum current necessary to deliver absolute aural satisfaction in today's more compact and fuel efficient vehicles. These amplifiers are being used in motorcycles and all-terrain vehicles as well.

## MSX1

Compact Class-D monoblock subwoofer amplifier  
350Wx1 RMS at 1 Ohm

## MSX2

Compact Class-A/B Full-Range stereo amplifier  
60Wx2 RMS at 4 Ohms  
120Wx2 RMS at 2 Ohms

## MSX4

Compact Class-A/B Full-Range Four channel amplifier  
50Wx4 RMS at 4 Ohms  
75Wx4 RMS at 2 Ohms



# MSX AMPLIFIER

Three models are available, the class-D monoblock MSX1, the class-AB stereo MSX2, and the class-AB four-channel MSX4



The monoblock MSX1 delivers a punishing 350W RMS into a one ohm mono subwoofer load. Raising the bar at a full 6 watts per cubic inch puts the MSX1 at twice the power density of the competition. A subsonic filter coupled with a selectable low-pass crossover combine with the efficient class-D design to make this one of the most efficient amplifiers ever developed.

The stereo MSX2 offers up 60Wx2 into a four ohm stereo load or 120Wx2 into a two ohm stereo load when driving two pairs of integrated or separate speakers. This compact two-channel amplifier boasts a selectable and adjustable high-pass filter that bolsters efficiency and ensures the proper notes are routed to the right speakers.

The four-channel MSX4 has all the features of the MSX2, but with four amplifier channels instead of two. Each pair of channels boasts its own independent controls for amplifier gain and for the selectable and adjustable high-pass crossovers.

The MSX1 and MSX2 share the same tiny 7" x 6" footprint and the MSX4 is only one inch longer. All three MSX Amplifier models are only 1-1/2in tall, allowing for placement in nearly any dry and solid location.

Like all TREO Engineering car audio equipment these amplifiers are based on American design and engineering and come backed with the promise to offer great sound for years to come.

With superior heat dispersion the TREO MSX series amps can be stacked, making it possible to fit even more power into confined spaces like boats, behind seats or even a snowmobile.

## TECHNICAL INFORMATION

Specifications	MSX1	MSX2	MSX4
RMS Power 4ohm at 0.1% THD	140Wx1	60Wx2	50Wx4
RMS Power 2ohm at 0.1% THD	230Wx1	120Wx2	75Wx4
RMS Power 1ohm at 1% THD	350Wx1	N/A	N/A
CHANNEL SEPARATION	N/A	>60 dB	>55 dB
FREQUENCY RESPONSE	10-180 Hz	5 Hz-30 kHz	5 Hz-30 kHz
SIGNAL TO NOISE RATIO	>85dB	>85dB	>85dB
INPUT SENSITIVITY RANGE	200 mV-8 V	200 mV-8 V	200 mV-8 V
LOW PASS FILTER	40-180 Hz 24 dB/octave	N/A	N/A
HIGH PASS FILTER	N/A	55 Hz-1.2 kHz 12 dB/octave	55 Hz-1.2 kHz 12 dB/octave
INPUT IMPEODANCE	>20K Ohm	>20K Ohm	>20K Ohm
SUB SONIC 18 dB/OCTAVE	10-50 Hz	N/A	N/A
IDLE CURRENT	0.6 A	0.6 A	0.8 A
PEAK CURRENT	40A	30A	40A
EFFICIENCY @ 2OHM	>83%	>52%	>50%
POWER TERMINAL BLOCK	4 AWG	4 AWG	4 AWG
WIDTH	6.125 in	6.125 in	6.125 in
LENGTH	7 in	7 in	8 in
HEIGHT	1.5	1.5	1.5
WIDTH	156 mm	156 mm	156 mm
LENGTH	178 mm	178 mm	203 mm
HEIGHT	38 mm	38 mm	38 mm

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



Optional remote bass control knob for use with the MSX1 Amplifier. Features Brushed Aluminum Finish.

