

HM100 Low Frequency Amplifier



Installation Instructions:

The **HM100** is a low frequency amplifier, which, together with a 100W Siren, will add supplemental warning to an emergency response vehicle. Please be advised that in order to activate the low frequency tones of the HM100, the regular siren tone must be operating, as the tones outputted are based off the vehicle's original siren system.

Together, the system increases close proximity warning effectiveness by generating siren signals that better penetrate a vehicle's interior.

Physical Installation:

The HM100 Amplifier comes equipped with two mounting brackets, which enable the unit to be mounted in a variety of positions. The unit has no user operated controls on the amplifier, so it can be mounted underneath the seats, trunk, or in any other concealed area of a vehicle.

The amplifier must be installed in an adequately ventilated area. Never install near heater ducts or under the vehicle's hood.

The HM100 speakers should be mounted securely using the supplied brackets, with the vents face downward, for maximum output.

Wiring Instructions:

Warning: The HM100 amplifier is designed to output low frequency tones only through the HM100 speakers provided with the unit. Using any other speaker will damage both the amplifier and speaker.

Red - The HM100 siren amplifier operates only from a + 12-volt vehicle electrical system. Connect the RED wire directly to the vehicle's battery with a 15 AMP fuse.

Black - Connect the BLACK wire directly to the vehicle battery's ground terminal, or a good vehicle ground.

White - Activation wire - Connect the WHITE wire, using 18 gauge wire, to a +12-volt switch.

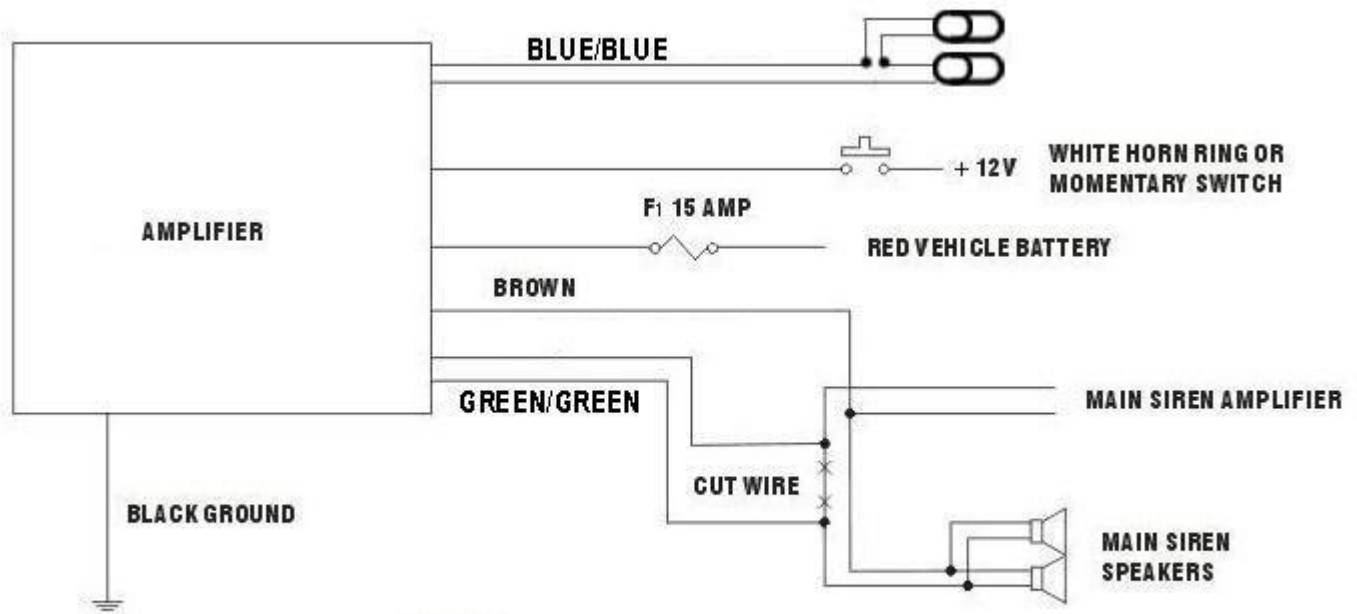
Blue/Blue - Using 18-gauge wire, connect the amplifier speaker leads (Blue/Blue wires) to the HM100 speakers. NOTE: For dual speaker installation, connect the second speakers' wires to the same leads as the first speakers' wires. (Both HM100 speakers are not required for effective low frequency sound output.)

Brown - Using 18-gauge wire, connect the input lead (BROWN wire) to ONE of the speaker leads of the main emergency vehicle siren. As show in diagram

Green/Green - Using 18-gauge wire, connect the GREEN/GREEN wires to the existing siren amplifier other speaker lead. These wires should be placed in line with the existing siren amplifier speaker lines. As show in diagram

After installation, test the electronic siren to ensure that it is operating properly.

Wiring Diagram:



CAUTION:
CONNECTING THE GREEN/WHITE ZIP CORD IN PARALLEL
WITH THE MAIN SIREN SPEAKER COULD DAMAGE THE MAIN VEHICLE SIREN AMPLIFIER

