MPA12
MOBILE PA AMPLIFIER

Item ref: 952.439UK

User Manual

Introduction

Thank you for your choice of Adastra MPA12 mobile PA amplifier. This unit is designed to offer convenient and reliable service for mobile PA applications. Please read this manual to avoid damage through misuse and keep for future reference.

Layout

1   2   3   4   5   6

1. Microphone input (6.3mm jack)
2. Auxiliary input (6.3mm jack)
3. Siren / Fog warning switch
4. Microphone level
5. Auxiliary level
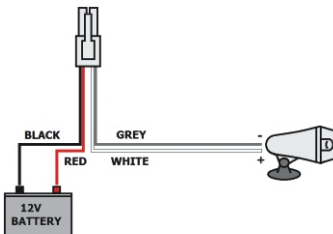6. Power switch and LED

Installation

The MPA12 is supplied with mounting brackets which can be fitted to the underside of a console or vehicle roof. Fix the brackets to the surface at the correct distance for attaching the MPA12 in between, using screws to secure the sides of the amplifier in place.

Connection

The 4-pin cable provided connects to both power supply (battery) and speaker(s). Take care to connect Black to the negative battery terminal and red to the positive battery terminal.

The remaining wires are for speaker output. Connect white to the positive speaker terminal and grey to the negative speaker terminal.

Once wiring is complete, plug the 4-pin connector into the socket at the rear of the MPA12

Minimum speaker impedance is 4Ω. If more than a single speaker is connected, ensure that the impedance is not lower than 4Ω

Operation

Connect a microphone via the MIC jack on the front panel and any auxiliary line level signal via the AUX jack. With both level controls fully down, turn on the power switch and the LED will light. Increase MIC and AUX level controls gradually, testing the output until the required level is reached. Switching the SIREN switch up or down will generate a warning tone.

Specifications

Power supply	12Vdc (3A max)
Auxiliary input	85mV (±1dB) @ 10k Ohms
Microphone input	3.5mV (±1dB) @ 20 - 50k Ohms
Output impedance	4 - 16 Ohms
Output power : 4 Ohms	12Wrms
Dimensions	38 x 150 x 150mm
Weight	650g