

IW30B

In-wall Bluetooth Amplifier

Item ref: 953.091UK

User Manual



Version 1.2



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the Adastra IW30B in-wall amplifier for your discreet audio installation. This unit is designed to power wall or ceiling mounted speakers and receive audio via Bluetooth. Please read this manual to gain the best results from your product and avoid damage through misuse.

SAFETY SYMBOL AND MESSAGE CONVENTIONS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE NE PAS
OUVRIR



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture. If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case.

No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

- Check for correct mains voltage before connecting the power adaptor
- Use only the power adaptor provided or an identical replacement

Placement

- The IW30B can be installed in a ceiling or stud wall to power flush or surface mount speakers
- The IW30B can also be surface mounted if necessary
- Ensure adequate ventilation for cooling and keep away from combustible material or moisture
- Ensure that the IW30B is within Bluetooth connection range of the sending device

Cleaning

- Use a soft cloth with a neutral detergent to clean the housing as required
- Use a vacuum cleaner to clear apertures and controls of any dust or debris build-ups
- Do not use solvents for cleaning the unit

Connections



Installation

Locate the IW30B in the ceiling, wall or on the surface required. Tabs at each end of the housing can be used for securing with screws.

Connect speakers using the supplied wires or equivalent by connecting “+” and “-” on the speaker to the relevant connection on the IW30B. The speaker connections are via screw terminals on a Euroblock, which can be removed for easy access whilst making connections.

Important: Ensure that the load is no lower than 4Ω for each output.
(e.g. 2 x 4Ω speakers... or... 2 pairs of 8Ω speakers wired in parallel)
Ensure that the speakers can handle 15W from each output.

If the IW30B is to be used with a wired audio line level input (instead of Bluetooth), connect this to the Euroblock terminals labelled “AUX IN” as shown on the Connections diagram above.

Left positive connection (Left+) should be connected to “L”
Right positive connection (Right+) should be connected to “R”
Both negative connections (Left- and Right-) should be connected to “G”
(G is the terminal for Ground connection – common for both Left and Right signals)

Likewise, the Bluetooth or Aux input can be relayed to further IW30B or other amplifiers by connecting a line level output from the Euroblock terminals labelled “AUX OUT”

AUX IN and AUX OUT connections should be made using shielded stereo audio cable and not speaker cable.

Operation

When powered up, the IW30B will be open for Bluetooth pairing.

(a small LED will flash inside the housing)

Ensure that only the first IW30B in an AUX OUT-IN daisy chain is powered up initially.

This will ensure that all of the amps in the daisy chain receive the same audio.

Search available Bluetooth devices on your smart phone or other sending device for a device with Bluetooth ID "IW30B-****" (where **** is a unique ID number for each unit)



Select to pair and connect with this ID (rename if required on Android)

When paired and connected, set the volume low on the smart phone or other sending device and play a track to check the sound through the speakers

Power down the IW30B when not in use and isolate from the mains if not used for long periods of time.

Specifications

Power supply	12Vdc, 2000mA (adaptor included)
Bluetooth version	4.0
Output: rms @ 4Ω	2 x 15W
Minimum impedance	4Ω per output
Speaker outputs	L-/L+/R-/R+ screw terminals (Euroblock)
Auxiliary input	L/G/R screw terminals (Euroblock)
Auxiliary output	L/G/R screw terminals (Euroblock)
Dimensions	124 x 40 x 27mm
Weight	60g (excluding power adaptor)



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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