



**Heavy Duty Handset
- Hearing Loop
Manual**

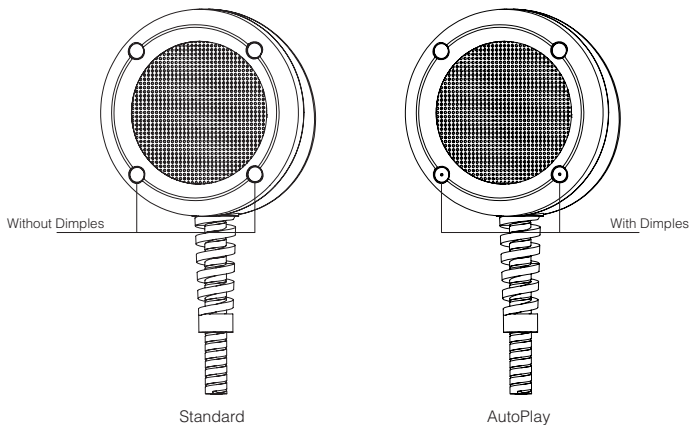
Contents

| | |
|---|---|
| Product Codes..... | 1 |
| Warranty..... | 1 |
| Your new Handset..... | 2 |
| AutoPlay Version..... | 3 |
| Installation..... | 5 |
| Technical Information..... | 6 |
| Technical Drawings..... | 7 |
| Safety Guide..... | 7 |
| Desktop Heavy Duty Handset..... | 8 |
| Desktop Heavy Duty Handset Technical Information..... | 9 |
| Technical Drawings..... | 9 |

Product Codes

- HDH-S** - Heavy Duty Handset - Silver
- HDH-B** - Heavy Duty Handset - Black
- A/HDH-S** - AutoPlay Heavy Duty Handset - Silver
- A/HDH-B** - AutoPlay Heavy Duty Handset - Black

You will be able to identify whether your handset has AutoPlay functionality through the existence of **dimples** displayed on the screw covers.



Warranty

Blackbox-av provides a 12 month warranty with this product. For further information or advice please contact info@blackboxav.co.uk

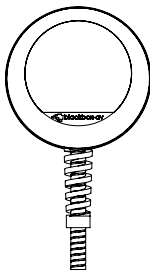
Your new Handset

In the Box:

1. Hearing Loop Heavy Duty Handset
2. Magnetic Hanger
3. Knuckle Mounting Plate
4. Trigger & Splitter Cable
(only supplied with AutoPlay version)
5. Wood Screws x2, Machine Screws x2
(for fitting magnetic hanger)
6. Customised Branding Labels
(if purchased)

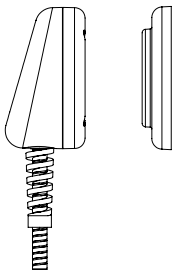
Heavy Duty Handset

Constructed from high grade and impact resistant plastics. The handset includes T-coil technology that offers high clarity audio while being hearing aid compatible. The Hearing Loop is placed at the top of the handset for perfect alignment with the listener's hearing aid. The branding label will direct the listener to enable the t-coil on their hearing aid.



Magnetic Hanger

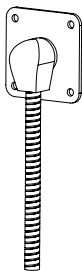
The handset is secured to a flat surface via the supplied magnetic hanger. We have optimised the pull force so that it is both easy to remove with minimum effort but equally simple to replace.



Armoured Cable, 90°

Knuckle & Mounting Plate

A stainless steel armoured cable protects the inner handset cable, outputting to a 3.5mm jack. This is anchored to your structure with a 90° swivel knuckle and stainless steel plate (see installation & technical drawings).



SoundClip Range

The Heavy Duty Handset Hearing Loop is compatible with our range of SoundClip players. If you wish to use other devices, audio outputs labelled as 'Line out' won't necessarily be suitable and you will likely require an additional Headphone Amplifier.

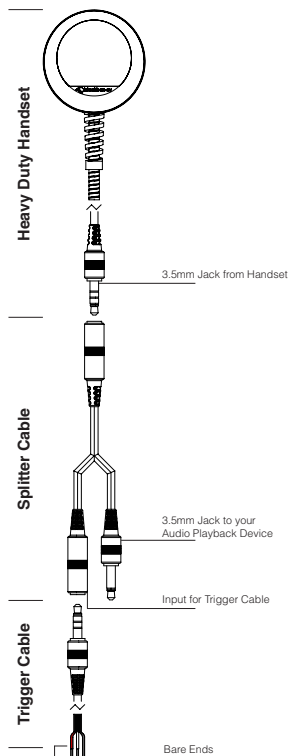
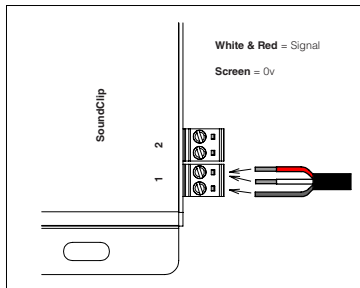
AutoPlay Version

AutoPlay Functionality

When used with a compatible device the AutoPlay version of the handset allows the triggering of the playback unit upon pickup. When the handset is lifted from the magnetic hanger, a sensor triggers your content. When returned to the hanger, the content will stop.

AutoPlay Cabling/SoundClip Range

AutoPlay functionality is supported by our SoundClip range of audio players. The handset is supplied with a trigger and splitter cable, the 3.5mm jack is installed to the output, while the activation cables are wired to an appropriate button terminal on the SoundClip device.



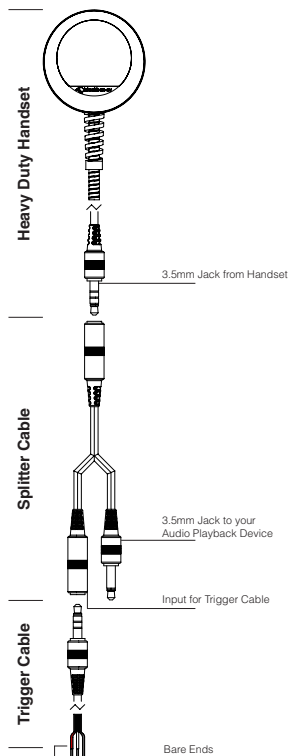
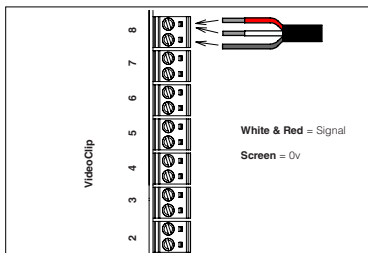
AutoPlay Cabling/VideoClip Range

AutoPlay functionality is also supported by our range of VideoClip media players. The handset is supplied with a trigger and splitter cable, the 3.5mm jack is installed to the output, while the activation cables are wired to an appropriate button terminal on the VideoClip device (these will already be connected).

AutoPlay With Other Devices

You will need to check with the manufacturer of other playback devices to ensure compatibility. To connect to third party devices you will need to be aware of the cable connections as displayed below.

When the handset is removed from the hanger, the trigger is 'open'.



Installation

The Hanger

To mount the hanger, use the supplied countersunk wood or machine screws. Ensure that the surface to which the hanger is attached is perfectly flat to avoid flexing of the product.

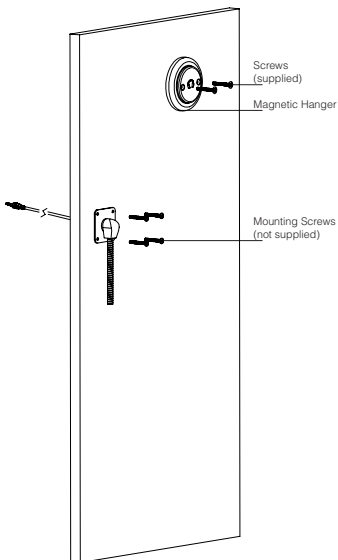
The Knuckle & Mounting Plate

The knuckle plate can be mounted to a structure with a suitable hole for the knuckle nut to fit through (see technical drawings). Alternatively, you can fit the knuckle without the plate if you have a metal panel.

Optional Branding Labels

The Hearing Loop version of our handset always comes with a branding label applied (plus spares) with the T-Coil symbol on it, as it's required under the UK Equality act. Should you wish to provide us your designs, you can request full custom graphics for a fee as long as it includes the T-Coil logo. To replace the label simply peel from the handset, (note: the handset has been designed with a slight lip to make picking of the label more difficult) completely remove the old label and clean the handset, before applying a new one.

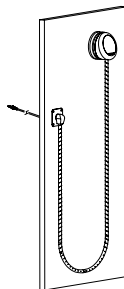
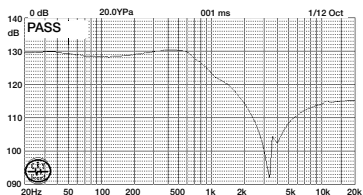
Replacement labels are available on the InterpretationShop.



Technical Information

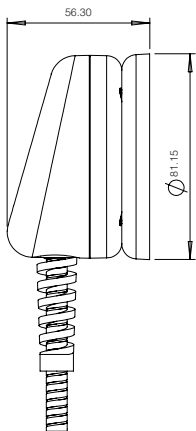
| | |
|--|--|
| Unpackaged Weight | 425g |
| Packaged Weight | 520g |
| Package Dimensions | 180 x 160 x 80mm |
| Nominal Impedance | 16 Ω |
| Frequency Range | 0Hz - 20KHz |
| Sound Pressure Level | 123 dB |
| Input Power (W) | Rated: 30mW - Max: 50mW |
| Input Power (V) | Rated: 1.7V - Max: 2.25V |
| Armoured Cable Length | 1350mm |
| Trigger Cable Length | 300mm |
| 3.5mm Cable Length (from Knuckle) | 650mm (+/- 10mm) |
| Screw Sizes | Wood Screws (Driver bit PZ 2, 30x4mm) Machine Screws (M4, 30mm) |
| Switching Signal | Handset on base: Contact closed/ handset off: Contact open |
| Operating Temperature | -20°C to +60°C |
| Hearing Aid Compatible | ADA/DDA |

Frequency Response

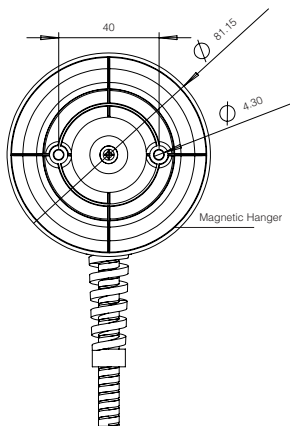


Technical Drawings

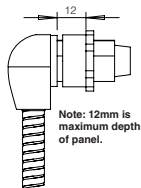
(not to scale)



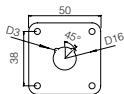
Side View



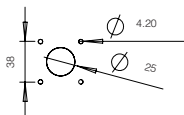
Rear View



Swivel Knuckle



Knuckle Mounting Plate



Wall Cut-Out

Safety Guide

Read this guide carefully before using or installing the product.

Preventing accidents and protecting the health to the user of the handset.

- Ensure the audio levels are set so ear damage cannot occur when someone is using the product.
- When tethering the armoured cable ensure there is no trip hazard created when the handset is stowed on its hanger.
- Over time monitor the product to ensure there is no damage caused by deliberate vandalism which could harm other users.

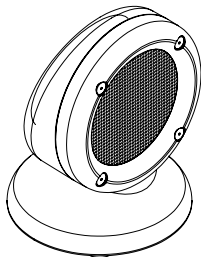
Preventing damage to the product and malfunctions

- As the product is not water-resistant install in a dry place where excessive liquid ingress may not occur.
- Clean the product regularly with a soft dry cloth or anti bacterial wipe.
- Ensure there is no pressure on the 3.5mm headphone jack when installed.
- Only use this product with good quality equipment with a dedicated headphone connection. Damage caused by defective audio equipment will void the warranty.

Desktop Heavy Duty Handset

The Desktop Heavy Duty Handset combines a simple design with high-grade, impact-resistant plastic to produce an extremely rugged handset, ideal for busy visitor attractions and public spaces. It boasts a superb quality speaker, which offers great dynamic range, and is able to reproduce music of high clarity or narrative text clearly for the listener.

If you have purchased the Desktop HDH with AutoPlay functionality, please refer to pages 1, 3 and 4 for more information.



Fitting Guide

The following steps will instruct you on how to fit your Desktop HDH;

1. Choose a suitable flat surface to mount the unit
2. Drill a 25mm diameter hole through the desk in the position decided above.
3. Drill four holes of 4.5mm diameter in a square pattern at 35mm centres and mount the handset base using M4 machine screws (Fig 1).
4. Choose a suitable location under the desk to mount the angle bracket ensuring that the cable between the handset mount and the angle bracket is allowed to move freely and will not encounter any obstructions. The weight must not touch the ground when the handset is stored on the mount.
5. Attach the angle bracket to the underside of the desk using suitable fixings (Fig 2.)
6. Thread the armoured cable through the handset mount then thread through the centre of the counterbalance weight.
7. Attach the plastic gland to the end of the armoured cable and secure to the angle bracket.
8. Test the operation of the handset to ensure all parts are moving freely and not obstructed in any way.

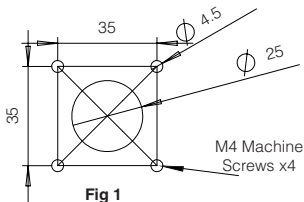


Fig 1

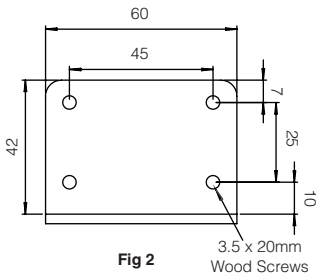


Fig 2

Desktop Heavy Duty Handset

Technical Information

| | |
|--|--|
| Packaged Weight | 525g |
| Package Dimensions | 180 x 160 x 80mm |
| Nominal Impedance | 16 Ω |
| Frequency Range | 0Hz - 20KHz |
| Sound Pressure Level | 123 dB |
| Input Power (W) | Rated: 30mW - Max: 50mW |
| Input Power (V) | Rated: 1.7V - Max: 2.25V |
| Armoured Cable Length | 1350mm |
| 3.5mm Cable Length (from Bracket) | 500mm (+/- 10mm) |
| Screw Sizes | Wood Screws (Driver bit No.2, 3.5 x 30mm), Machine Screws (M4 x 30mm) |
| Operating Temperature | -25°C to 60° |
| Hearing Aid Compatible | ADA/DDA |
| Included | 1 x Heavy Duty Handset, 1 x Desktop Mount, 4 x Wood Screws, 4 x Machine Screws, 1 x Gland Plastic, 1 x 0.5Kg Weight & 1 x L Anchor Bracket |

Technical Drawings

