Heavy Duty Handset

Manual

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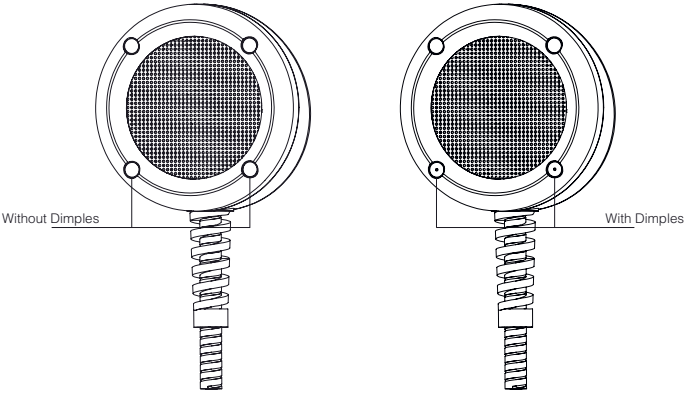
Product Codes

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.



Standard AutoPlay

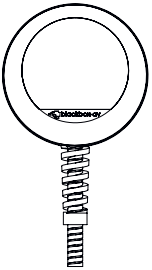
Warranty

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

Your new Handset

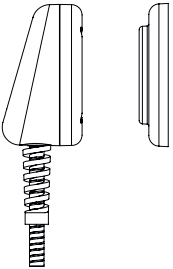
In the Box:

1. 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 speaker element offers great dynamic range able to reproduce audio with exceptional clarity.

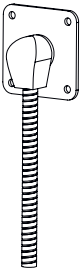


Magnetic Hanger

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).



AutoPlay Version

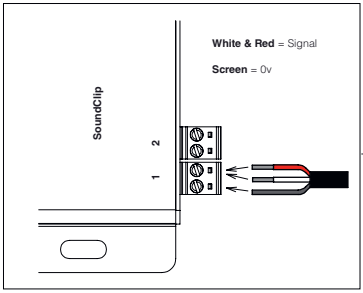
AutoPlay Functionality

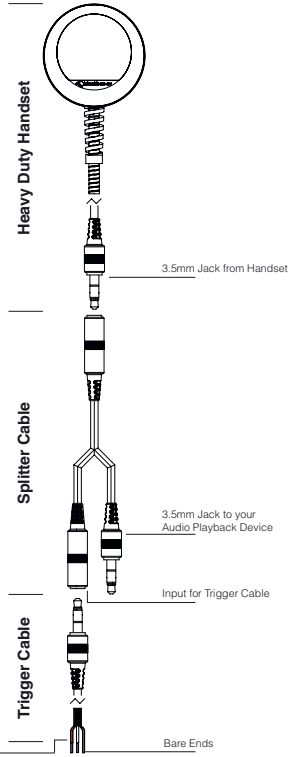
When used with a compatible device the AutoPlay version of the handset allows the triggering of the playback unit upon pickup. When the handset is lifted from the magnetic hanger, a sensor triggers your content. When returned to the hanger, the content will stop.

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.

Note: Ensure the SoundClip is set to the correct mode. Refer to the SoundClip Range Manual for more information.





AutoPlay Cabling/VideoClip Range

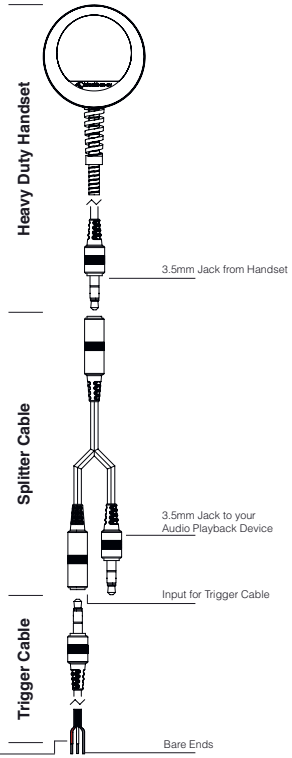
AutoPlay functionality is also supported by our range of VideoClip media players. The handset is supplied with a trigger and splitter cable, the 3.5mm jack is installed to the output, while the activation cables are wired to button on the Video-Clip device (these will already be connected).

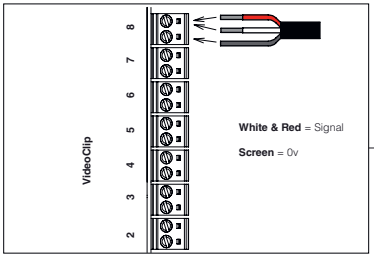
For a VideoClip media player, your AutoPlay Content must be programmed into folder 01 on your SD Card. It's important to be aware that button inputs 01 & 08 are reserved when in AutoPlay mode, button inputs 02-07 can be programmed as normal.

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'.

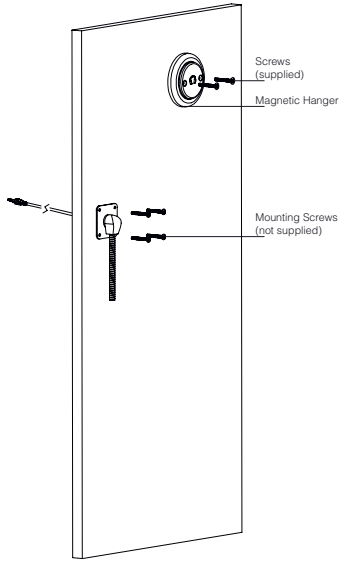




Installation

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

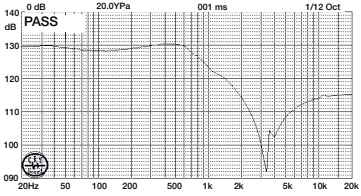
The handset can be supplied with custom branding labels, allowing the display of images or logos, or simply a way to add colour. If you have selected this option the handset will come with a label already applied along with spares. To replace the label simply peel from the handset, (note: the handset 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.

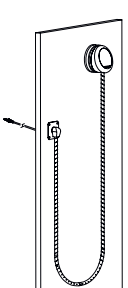
Replacement labels are available on the InterpretationShop.

Technical Information

Unpackaged Weight	425g
Packaged Weight	520g
Package Dimensions	180 x 160 x 80mm
Nominal Impedance	100Ω
Frequency Range	50Hz - 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	1200mm
Trigger Cable Length	300mm
3.5mm Cable Length (from Knuckle)	500mm (+/- 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

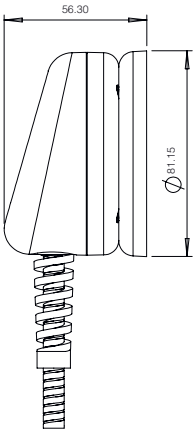
Frequency Response



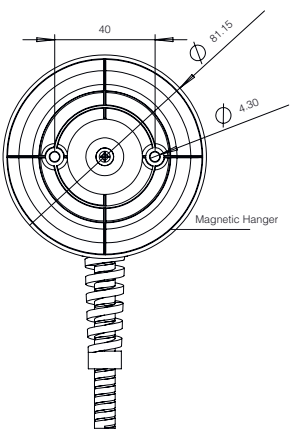


Technical Drawings

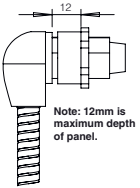
(not to scale)



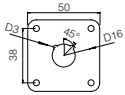
Side View



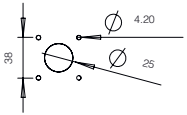
Rear View



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.

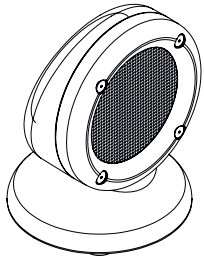
- Ensure the audio levels are set so ear damage cannot occur when someone is using the product.
- When tethering the armoured cable ensure there is no trip hazard created when the handset is stowed on its hanger.
- Over time monitor the product to ensure there is no damage caused by deliberate vandalism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

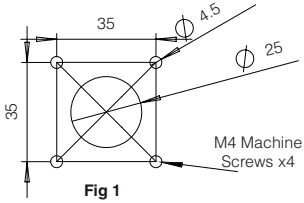


Fig 1

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.

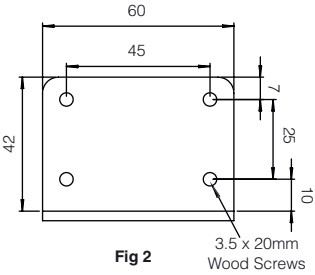
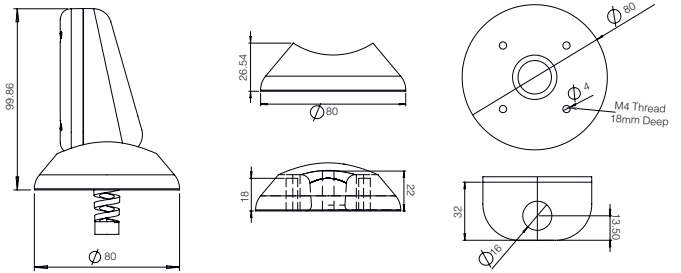


Fig 2

Desktop Heavy Duty Handset
Technical Information

Packaged Weight	525g
Package Dimensions	180 x 160 x 80mm
Nominal Impedance	100Ω
Frequency Range	50Hz - 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	1200mm
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



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