



Recoiler - Vertical Cable Out Manual

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Safety Guide

Read this guide carefully before using or installing the product.

Preventing damage to the product and malfunctions

- Do not remove the cable tie until told to do so in the instructions.
- 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 you install your Headphone to the correct recoil direction.
- You must take these steps into consideration otherwise the retraction of your armoured cable will be affected;
 1. The distance the wall (the Recoiler is fitted on) is, from the mounting hole.
 2. The distance between the Recoiler and the surface above.
 3. The positioning of your Recoiler in alignment with the armoured cable.
- When cutting the cable tie, hold the armoured cable to prevent any harm to the Recoiler's spring.
- You must thread the 3.5mm jack through the correct hole or you may damage the mechanism.

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

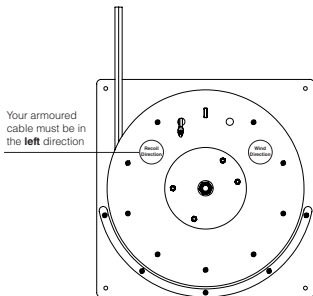
- Be careful when using scissors to take off the attached cable tie.
- When cutting the cable tie, hold the armoured cable to prevent the jamming of fingers.
- Ensure the audio levels are set so ear damage cannot occur when someone is using the product.
- Over time monitor the product to ensure there is no damage caused by deliberate vandalism which could harm other users.

Identifying your Recoiler

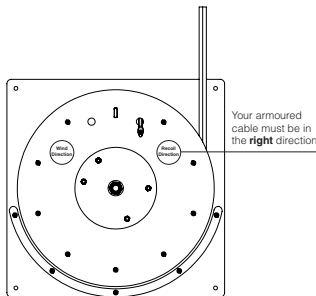
You will be able to identify the recoil direction of your armoured cable by the location of the *Recoil Direction* sticker.

The recoil direction gives you the freedom to fit the Recoiler in a suitable location.

Note: There are different set-up instructions for each direction. Please turn to the fitting instructions for your chosen variant.



Left



Right

Warranty

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

Your new Recoiler

In the Box:

1. Recoiler
2. Your chosen Headphone
3. Fitting Screws for your Headphone
4. Fitting Screws for the Recoiler
5. 2 x Lock Clamps
6. 1 x Allen Key

Recoiler

The Recoiler is a simple yet robust mechanism that smoothly retracts your headphone cable when not in use. It combines with our range of headphone/handset to create a cable free and tidy installation.

Recoiler Labels

Three different labels are fitted onto the Recoiler to make the set-up process as easy as possible. The meaning of each label can be read below;

Recoil Direction - This is the direction in which your cable retracts when returning to its mount. This label can also indicate your cable direction (left/right).

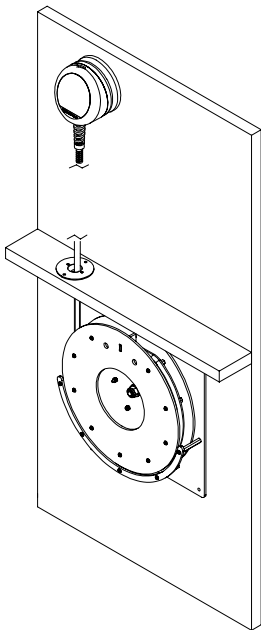
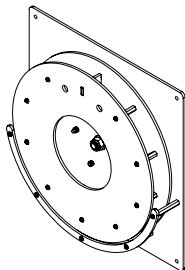
Wind Direction - This is the direction in which the Recoiler is wound when being lifted from its mount.

Set Up QR Code - Simply scan the QR Code on a mobile device to access our set-up video. This can also be watched from our website.

Mounting your Headphone

Depending on the Headphone chosen, you will receive a mount to be used whilst inactive.

- Wall Mounted
Heavy Duty Handset - Magnetic Hanger
Double Cup Headphones - Modern Hanger
Single Cup Headphones - Magnetic Hanger
- Desktop Mounted
Heavy Duty Handset - Desktop Mount
- Angled Desktop Mount
Heavy Duty Handset - Magnetic Hanger



Setting up your Recoiler

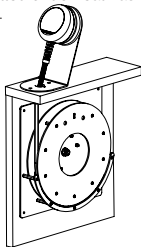
Please follow the fitting instructions for your specific version;

Angled Fitting - Page 4 and 5
Wall Mounted - Page 6 and 7
Desktop Fitting - Page 8 and 9

Recoiler - Angled Fitting Instructions

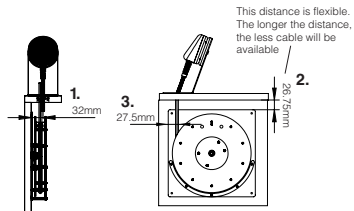
1. Finding a Surface

To begin, you first want to find a suitable surface to fit the Recoiler. Your headphone & mount must be placed above the surface and your Recoiler fitted underneath as shown in the diagram below.



There are 3 important steps to consider prior to installing your Recoiler;

1. The distance the wall (that the Recoiler is fitted on) is from the mounting hole
2. The distance between the Recoiler and the surface above
3. The positioning of your Recoiler in alignment with the armoured cable

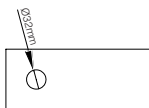


You need to ensure all 3 of these steps are taken into consideration prior to fitting otherwise the retraction of your armoured cable **will be** affected.

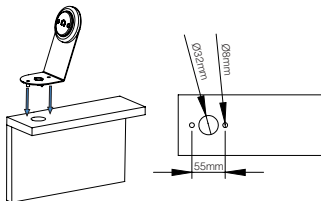
2. Fitting your Mount

You now need to fit your Angled mount onto the desktop surface that sits above the Recoiler.

1. You first need to cut a $\varnothing 32\text{mm}$ hole that fits the Angled Mount.



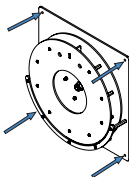
2. To secure into place, you will need to fit 2 alternate screws around the hole. You can mark out 2 fitting locations by gently pushing down onto the mount whilst fitted in the hole.



3. Remove the mount from the hole and drill the 2 marks through your surface and fit into place. To secure, fix from underneath using the supplied screws.

4. Fitting the Recoiler

Following the previous step, you will need to fix your Recoiler onto the wall surface beneath. Simply fit together using the supplied 4 fixing screws.



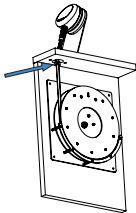
4. Setting up the Recoiler with Handset

Once fitting instructions are complete, you can now set up your Recoiler for use with the Heavy Duty Handset/Single Cup Headphone/MKII Headphone. We strongly recommend you watch our set-up tutorial by scanning the QR Code below;



[youtube.com/watch?v=URKZWCWvATE](https://www.youtube.com/watch?v=URKZWCWvATE)

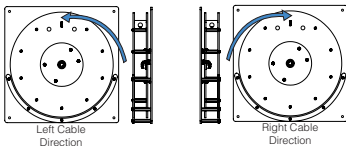
1. Thread the armoured cable through the mount and place the handset on the magnetic hanger.
2. You then need to use one of two lock clamps. This first clamp will decide your maximum retraction length; this means the maximum length a user can pull the handset from the surface.



This clamp must be locked at a minimum of 15cm from the end of the armoured cable (not including the 3.5mm jack). Simply lock into place using the supplied 2mm allen key.

3. Next thread the cable through the Recoiler centre hole. Do this until the lock clamp prevents it from going any further. The direction the cable goes in is dependant on the variation you've chosen;

Left Cable Direction - Anti Clockwise
Right Cable Direction - Clockwise

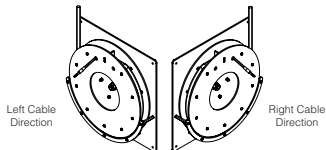


An easy way to figure out your cable direction is to look at the 'Recoil Direction' label. The placement of this will tell you whether its configured to the right or left side.

4. You then need to use the second lock clamp. This needs to be placed 3cm from the end of the armoured cable and will prevent it from being pulled out the Recoiler.

Once this has been locked on, simply thread the cable back through the centre hole until the second clamp can't go any further.

5. You then need to put the 3.5mm cable through one of the holes at the centre front. The right hole is for right cable direction and the left hole is for the left cable direction.



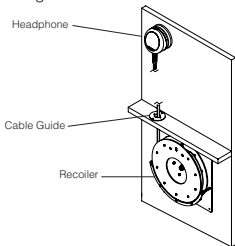
6. Using a pair of scissors, you now need to remove the cable tie located behind the 'Recoil Direction' label. Please ensure to hold the armoured cable from the 'Wind Direction' sticker to prevent any harm to the Recoiler's spring.

Once the cable tie has been cut, gently allow the cable to retract around the Recoiler.

Recoiler - Wall Mounted Fitting Instructions

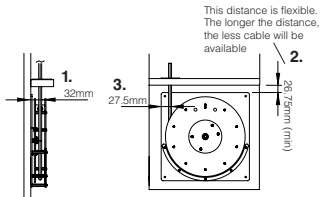
1. Finding a Surface

To begin, you first want to find a suitable surface to fit the Recoiler. Your headphone & hanger must be placed above the surface and your Recoiler fitted underneath as shown in the diagram below.



There are 3 important steps to consider prior to installing your Recoiler;

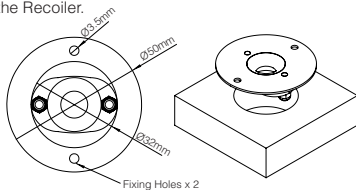
1. The distance the wall (that the Recoiler is fitted on) is from the mounting hole
2. The distance between the Recoiler and the surface above
3. The positioning of your Recoiler in alignment with the armoured cable



You need to ensure all 3 of these steps are taken into consideration prior to fitting otherwise the retraction of your armoured cable **will be** affected.

2. Fitting your Cable Guide

The Headphone cable guide further protects your armoured cable when being retracted from the Recoiler.

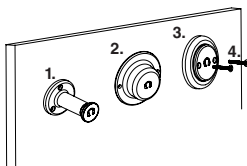


1. You first need to cut a Ø32mm hole that will fit your cable guide.

2. To secure into place, you will need to fit 2 screws around the hole.

3. Fitting your Headphone Hanger

You now need to install your Headphone's Hanger. When installing please ensure the cable guide is central with the hanger otherwise the retraction of your armoured cable **will be** affected.



1. MKII Double Cup Hanger

If you have purchased the Double Cup as AutoPlay you will need to cut an additional hole for wiring. Please see AutoPlay Setup on Page 13.

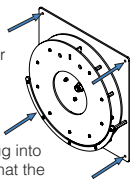
2. Single Cup Magnetic Hanger

3. Heavy Duty Handset Hanger

4. Fixing Screws (supplied for each)

4. Fitting the Recoiler

Following the previous step, you will need to fit your Recoiler onto the wall surface beneath. Simply fit together using the supplied 4 fixing screws.



NOTE: The audio cable will plug into your audio source. It's critical that the 3.5mm cable does not rub on the edge of the drum or catch within the guard. We recommend mounting your audio source below ideally elevated to above the height of the recoiler to prevent any cable damage.

4. Setting up the Recoiler with Handset

Once fitting instructions are complete, you can now set up your Recoiler for use with the Heavy Duty Handset/Single Cup Headphone/MKII Headphone. We strongly recommend you watch our set-up tutorial by scanning the QR Code below;

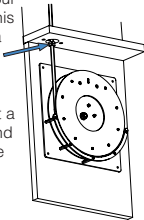


[youtube.com/watch?v=URKZWCWvATE](https://www.youtube.com/watch?v=URKZWCWvATE)

1. Thread the armoured cable through the mount and place the handset on the magnetic hanger.

2. You then need to use one of two lock clamps. This first clamp will decide your maximum retraction length; this means the maximum length a user can pull the handset from the surface.

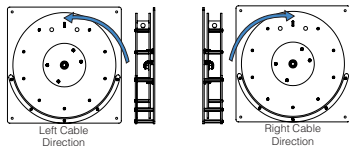
This clamp must be locked at a minimum of 15cm from the end of the cable (not including the 3.5mm jack). Simply lock into place using the supplied 2mm allen key.



3. Next thread the cable through the Recoiler centre hole. Do this until the lock clamp prevents it from going any further. The direction the cable goes in is dependant on the variation you've chosen;

Left Cable Direction - Anti Clockwise

Right Cable Direction - Clockwise

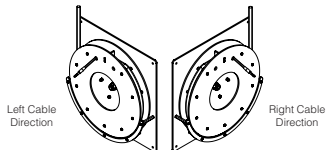


An easy way to figure out your cable direction is to look at the 'Recoil Direction' label. The placement of this will tell you whether its configured to the right or left side.

4. You then need to use the second lock clamp. This needs to be placed 3cm from the end of the armoured cable and will prevent it from being pulled out the Recoiler.

Once this has been locked on, simply thread the cable back through the centre hole until the second clamp can't go any further.

5. You then need to put the 3.5mm cable through one of the holes at the centre front. The right hole is for right cable direction and the left hole is for the left cable direction.



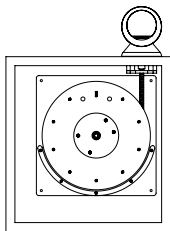
6. Using a pair of scissors, you now need to remove the cable tie located behind the 'Recoil Direction' label. Please ensure to hold the armoured cable from the 'Wind Direction' sticker to prevent any harm to the Recoiler's spring.

Once the cable tie has been cut, gently allow the cable to retract around the Recoiler.

Recoiler - Desktop Mounted Fitting Instructions

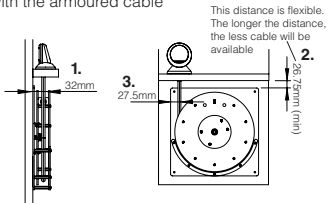
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3. The positioning of your Recoiler in alignment with the armoured cable

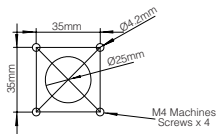


You need to ensure all 3 of these steps are taken into consideration prior to fitting otherwise the retraction of your armoured cable **will be** affected.

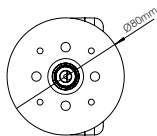
2. Fitting your Mount

You now need to fit your desktop mount onto the surface that sits above the Recoiler.

1. You first need to cut a $\text{Ø}25\text{mm}$ hole and 4 fitting holes for the screws.

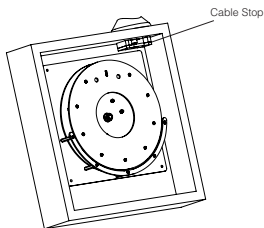


2. To secure into place, you must screw from underneath the surface.



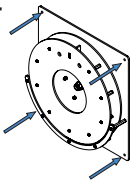
3. Fitting the Cable Stop

A cable stop is fitted centrally below the desktop mount surface. Simply fix this in place with 2 screws.



4. Fitting the Recoiler

Following the previous step, you will need to fit your Recoiler onto the wall surface beneath. Simply fix together using the supplied 4 fixing screws.



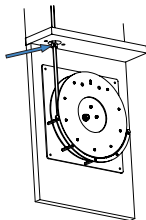
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youtube.com/watch?v=URKZWCWvATE

1. Thread the armoured cable through the mount and place the handset on the magnetic hanger.
2. You then need to use one of two lock clamps. This first clamp will decide your maximum retraction length; this means the maximum length a user can pull the handset from the surface.

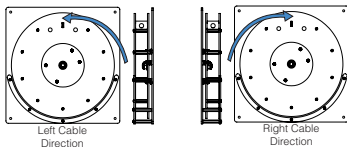


This clamp must be locked at a minimum of 15cm from the end of the cable (not including the 3.5mm jack). Simply lock into place using the supplied 2mm allen key.

3. Next thread the cable through the Recoiler centre hole. Do this until the lock clamp prevents it from going any further. The direction the cable goes in is dependant on the variation you've chosen;

Left Cable Direction - Anti Clockwise

Right Cable Direction - Clockwise

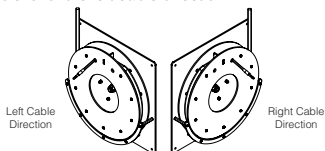


An easy way to figure out your cable direction is to look at the 'Recoil Direction' label. The placement of this will tell you whether its configured to the right or left side.

4. You then need to use the second lock clamp. This will be placed 3cm from the end of the armoured cable and will prevent it from being pulled out the Recoiler.

Once this has been locked on, simply thread the cable back through the centre hole until the second clamp can't go any further.

5. You then need to put the 3.5mm cable through one of the holes at the centre front. The right hole is for right cable direction and the left hole is for the left cable direction.



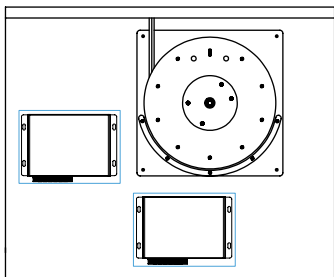
6. Using a pair of scissors, you now need to remove the cable tie located behind the 'Recoil Direction' label. Please ensure to hold the armoured cable from the 'Wind Direction' sticker to prevent any harm to the Recoiler's spring.

Once the cable tie has been cut, gently allow the cable to retract around the Recoiler.

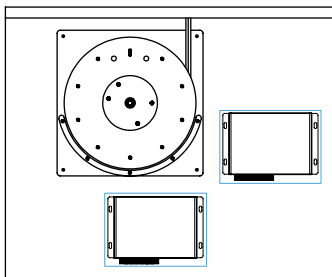
Using a Media Player with the Recoiler

If you have purchased the Recoiler alongside one of our media players, you will need to consider the fitting location. You need to install the media player in one of two locations shown below, otherwise the 3.5mm jack cable may disrupt the mechanism. We recommend positioning a cable anchor to prevent this from occurring (supplied).

Left Cable
Direction



Right Cable
Direction



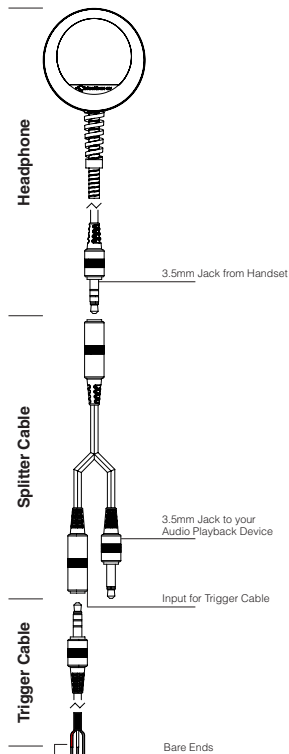
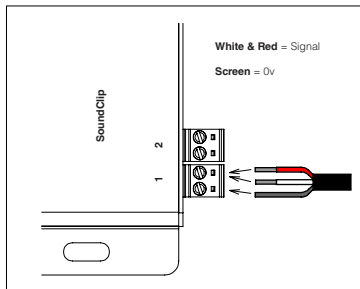
AutoPlay Setup - Single Cup Headphone/HDH

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 headphone/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 headphone/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.



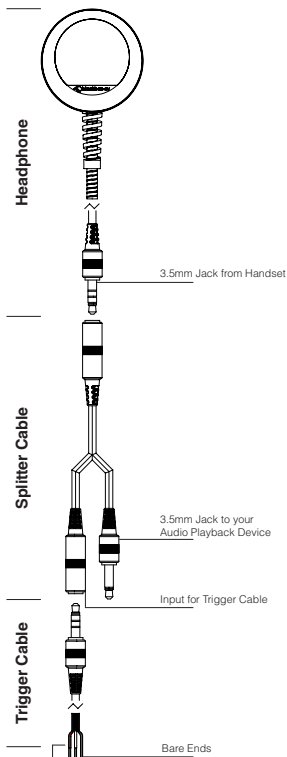
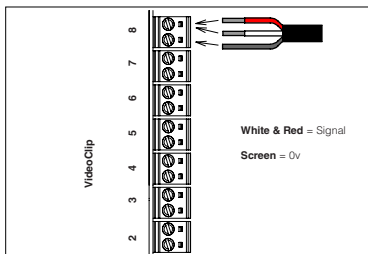
AutoPlay Cabling/VideoClip Range

AutoPlay functionality is also supported by our range of VideoClip media players. The headphone/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'.

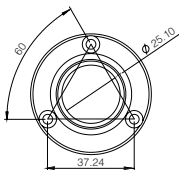


AutoPlay Setup - MKII/ Double Cup Headphone

AutoPlay Functionality

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

You will need to cut the following hole prior to fitting the hanger;



Connecting to a SoundClip

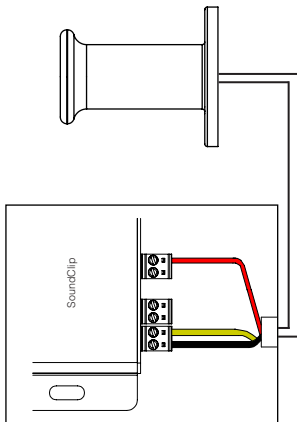
AutoPlay functionality is supported by our SoundClip range of audio players. The headphones are supplied with a unique Hanger, while the 3.5mm jack is installed to the output. The Modern Hanger is responsible for activating content and must be connected to the SoundClip.

For connection to a SoundClip you will be using the following wires with terminal blocks:

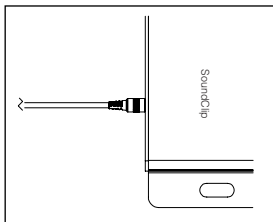
Yellow and Black - Content Activation
Red - Power (12V)

1. Simply plug the Content Activation (Yellow and Black) into button 1.
2. Plug the Power (Red) into the 12V Out.
3. Connect Headphones by plugging into the audio jack.
4. Set configuration dipswitch 5 to the down position to activate AutoPlay mode on the SoundClip.

Connect the Hanger



Connect the Headphones



Connecting to your own Device

Although designed primarily to be utilised alongside our range of media players, the MKII Headphones can be connected to a device of your own (first we recommend you check compatibility with us) - to do so you must be aware of the following cable connections;

Black (Ground) - Connect to Controller

Depending on how unit triggers:

Yellow and Black - Content Activation (contact is normally closed)

Or

Green and Black - Content Activation (contact is normally open)

Depending on how much power is required:

Red (Power) - 12V power consumption rated @ 50 milliamps

Blue (Power) - 5V supply consumption rated @ 50 milliamps

Note: Do not use 12V down a 5V line

Connecting a VideoClip

If you purchased a VideoClip set-up for AutoPlay functionality, you will have received an I/O adapter with your headphones.

The I/O adapter connects from the blue wire straight into the I/O port on the VideoClip.

The Yellow and Black wire is connected into Button 8, content for AutoPlay must be programmed to folder 01.

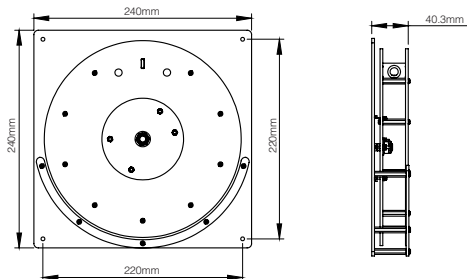
Therefore Button inputs 01 and 08 are reserved when in AutoPlay mode, button inputs 02 - 07 can be programmed as normal (see VideoClip instructions for further details).

Technical Information

| | |
|------------------------------------|--|
| Unit Weight | 536g |
| Unit Dimensions | 40.3 x 240 x 240mm |
| Hole Cut Out Size | Angled Mount: Ø32mm, Desktop: Ø25mm, Wall Mounted: Ø32mm |
| Pulling Force | 5N |
| Colour | Black, Silver Conduit |
| Armoured Cable Length | 1350mm - Full Cable 1200mm - Available Cable after fitting |
| 3.5mm Cable Length | 500mm (+/- 10mm) |
| Screw Sizes | Recoiler - Wood Screws (Driver bit No.2, 3.5mm x 19mm) Headphone - Screw sizes dependant on model |
| Switching Signal (AutoPlay) | Handset on base: Contact closed/ handset off: Contact open |

Technical Drawings

(not to scale)



For drawings on each variant, please look at its specific page or visit its individual product manual.

