



## **Recoiler - Horizontal Cable Out Manual**

## Contents

Safety Guide.....	1
Identifying your Recoiler.....	2
Warranty.....	2
Your new Recoiler.....	3
Setting up your Recoiler.....	4
Using a Media Player with the Recoiler.....	7
AutoPlay Setup - Single Cup Headphones/HDH.....	8
AutoPlay Setup- MKII/Double Cup Headphones.....	10
Technical Information.....	12
Technical Drawings.....	12

# 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.**

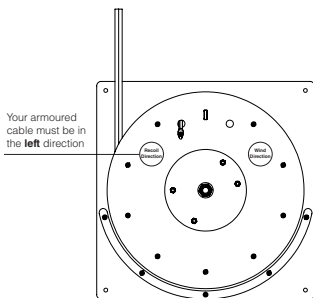
- Be careful when using scissors to take off the attached cable tie.
- When cutting the cable tie, hold the armoured cable to prevent the jamming of fingers.
- Ensure the audio levels are set so ear damage cannot occur when someone is using the product.
- Over time monitor the product to ensure there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

## Identifying your Recoiler

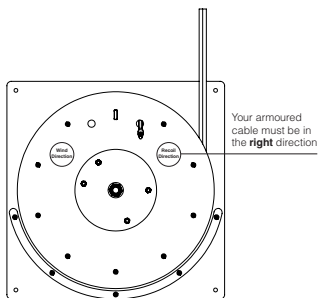
You will be able to identify the recoil direction of your armoured cable by the location of the *Recoil Direction* sticker.

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](mailto:info@blackboxav.co.uk)

## Your new Recoiler

### In the Box:

1. Recoiler
2. Your chosen Headphone
3. 1 x Cable Guide
4. 1 x Cable Roller
5. Fitting Screws for your Headphone
6. Fitting Screws for the Recoiler
7. 2 x Lock Clamps
8. 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).

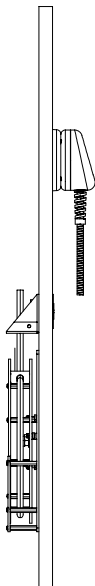
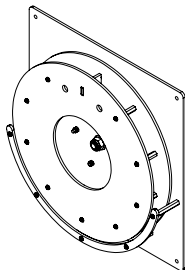
**Wind Direction** - This is the direction in which the Recoiler is wound when being lifted from its mount.

**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.

### Using Headphones

Depending on which Headphone you purchase, you'll receive a specific Hanger;

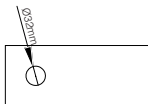
- Heavy Duty Handset - Magnetic Hanger
- Double Cup Headphones - Modern Hanger
- Single Cup Headphones - Magnetic Hanger



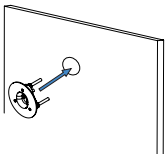
## Setting up the Recoiler

### 1. Fitting the Cable Guide

To begin, you first want to find a suitable surface to fit the Recoiler. To fit the Cable Guide, you will need to first cut a  $\varnothing 32\text{mm}$  hole.

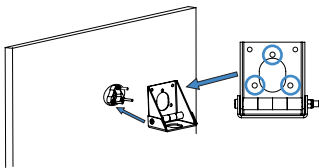


Once you have cut the hole, simply slot in your Cable Guide. You must insert in this orientation;



### 2. Fitting the Cable Roller

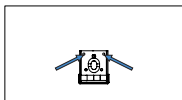
On the rear side of the surface, you now must fit your Cable Roller. This slots directly into the Cable Guide like so;



You must then fit three nuts onto the studs.

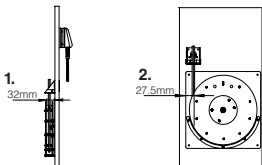
Note: You will require the use of an M3 Nut Spinner / 5.5mm Spanner

To further secure the Cable Guide & Roller, you must fix 2 wood screws into the wall through the following two holes;



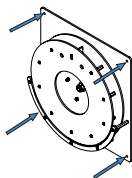
### 3. Fitting your Recoiler

Prior to installing, you need to ensure all 3 of these steps are taken into consideration, otherwise the retraction of your armoured cable **will be** affected.



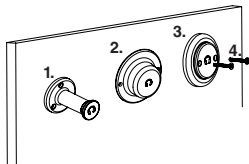
1. The distance the wall (that the Recoiler is fitted on) is from the mounting hole
2. The positioning of your Recoiler in alignment with the Cable Roller

Following these steps, you're now able to fit the Recoiler using the supplied wood screws.



### 3. Fitting your Hanger

On the front side of the surface, you now need to fit your Headphone/Handset Hanger. When installing please ensure the beneath 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 10.*

#### 2. Single Cup Magnetic Hanger

#### 3. Heavy Duty Handset Hanger

#### 4. Fixing Screws (supplied for each)

### 4. Setting up the Recoiler with Handset

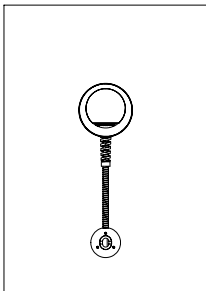
Once fitting instructions are complete, you can now set up your Recoiler for use with the Heavy Duty Handset/Single Cup Headphone/MKII Headphone. We strongly recommend you watch our set-up tutorial by scanning the QR Code below;



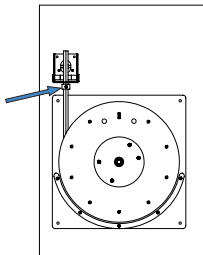
[youtube.com/watch?v=OYjxtlyohE](https://www.youtube.com/watch?v=OYjxtlyohE)

1. Thread the armoured cable through the cable guide and lead the cable down the hole inside the Cable Roller. Pull the cable fully through and mount your headphone/handset on its hanger.

**Note: Please do not pull on the armoured cable, as your headphone/handset may fall and cause damage.**



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.

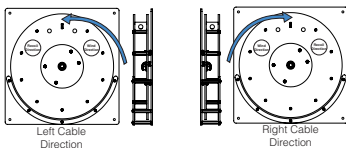


This clamp must be locked at a minimum of 15cm from the end of the armoured cable (not including the 3.5mm jack). Simply lock into place using the supplied 2mm allen key.

**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

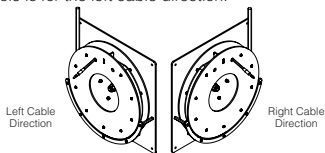


*An easy way to figure out your cable direction is to look at the 'Recoil Direction' label. The placement of this will tell you whether its configured to the right or left side.*

**4.** You then need to use the second lock clamp. This needs to be placed 2cm 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.

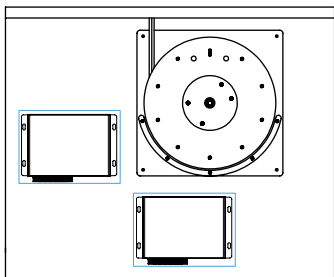
Once the cable tie is cut, gently allow the cable to retract around the Recoiler.



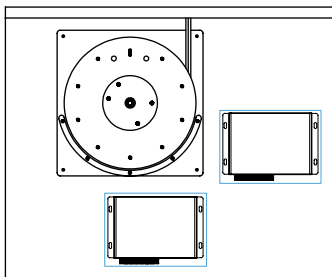
## Using a Media Player with the Recoiler

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



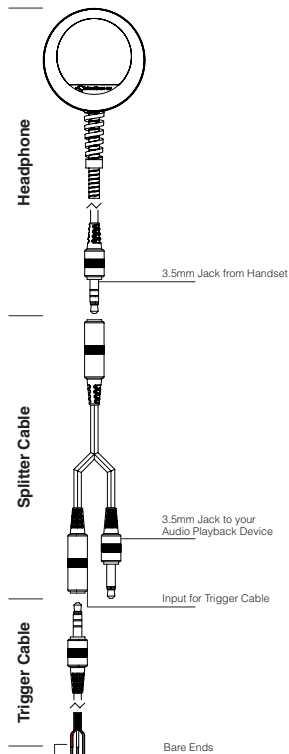
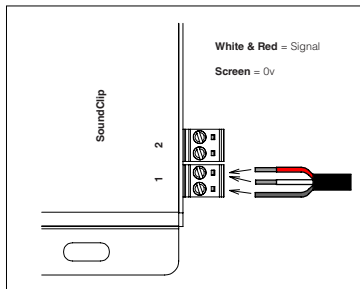
# AutoPlay Setup - Single Cup Headphone/HDH

## 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 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.



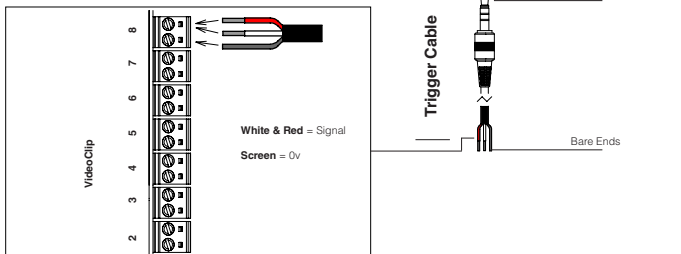
## AutoPlay Cabling/VideoClip Range

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'.

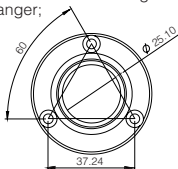


## AutoPlay Setup - MKII/ Double Cup Headphone

### AutoPlay Functionality

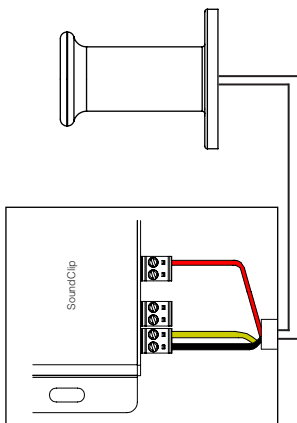
When used with a compatible device, the AutoPlay version allows the triggering of playback unit upon pickup. When the headphones are lifted, a sensor triggers your content. When returned to the hanger, the content will stop.

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

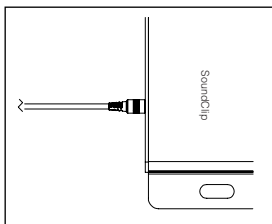


**Note:** The audio cable will plug into your audio source. It's critical that the 3.5mm cable does not rub on the edge of the drum or catch within the guard. We recommend mounting your audio source below ideally elevated to above the height of the recoiler to prevent any cable damage.

Connect the Hanger



Connect the Headphones



## 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.

## 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).

## 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

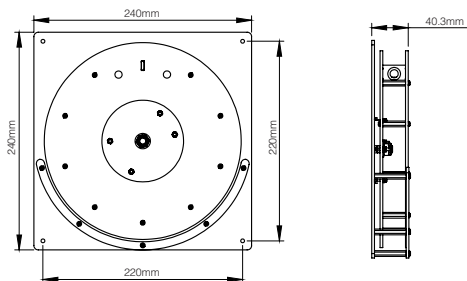
**Note: Do not use 12V down a 5V line**

## Technical Information

<b>Unit Weight</b>	536g
<b>Unit Dimensions</b>	40.3 x 240 x 240mm
<b>Hole Cut Out Size</b>	Cable Guide: Ø35mm
<b>Pulling Force</b>	5-9N
<b>Colour</b>	Black, Silver Conduit
<b>Armoured Cable Length</b>	1350mm - Full Cable 1200mm - Available Cable after fitting
<b>3.5mm Cable Length</b>	500mm (+/- 10mm)
<b>Screw Sizes</b>	Recoiler - Wood Screws (Driver bit No.2, 3.5mm x 19mm) Headphone - Screw sizes dependant on model
<b>Switching Signal (AutoPlay)</b>	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.

