

U-Turn Round



We have tried to keep the operation of the U-Turn Round as simple as possible...

1. **Select** a track from the 8 available.
2. **Turn** the handle round in either direction. (Keep turning until the message plays.)
3. **Listen** to the message.

USB Programming Dongle

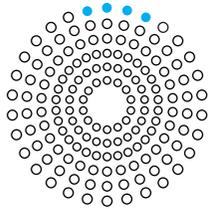


welcome message. From this point the unit will operate normally.

Configuring your U-Turn

There are various configuration options for your U-Turn round. To access each setting you simply need your USB Programming Dongle (included with your U-Turn Round).

Ensure the U-Turn isn't playing a message and insert the Dongle into the speaker holes indicated in the diagram to the right.



Note: To simply adjust a setting you do not need the USB Flash Stick attached to the dongle, this need only be attached when updating the audio content on your unit. (See the upload new content section for more information on this process).

The available settings are as follows;

1. Volume Adjustment
2. Individual Track Statistics (since last erase)
3. Total Track Statistics (since last erase)
4. Upload New Content
5. Factory Settings (turn message beeps on/off)
6. Serial Number (retrieve the units unique serial number)
7. Total Track Statistics
8. Erase Statistics

Select which setting you wish to access via the selection dial and wind the unit. You will need to wind the unit to full power for each setting which will take approximately 16 seconds.

Volume Adjustment

Here you can set the volume level from 1 - 10. Insert the dongle and select dial 1, the unit will ask you to 'Please turn me till I reach full power, I will tell you when to stop'.

Normal Operation

Select a message then wind the unit until the message begins. You will be instructed to 'please turn me till the message plays'.

As standard at the end of each message you will hear a beep, this beep can be disabled (see 'FACTORY SETTINGS' section).

A new message will begin when selected if the unit has enough power stored from the previous wind, if there is not enough power you will need to wind again. Depending upon the length of a message you may have to wind the unit more than once, if this is the case the message will pause and you will be told 'I'm paused, please turn me some more'. The ideal maximum message length is no more than 135 seconds, the unit should play this on a single charge.

First time setup

When your U-Turn first arrives it will be in transit mode; simply wind the unit, it will state 'please turn me till the message plays' then proceed to play the U-Turn

Once you reach full power the unit will instruct you to remove the dongle at the volume level required.

It now counts through volume levels 1 - 10. Remove the dongle at the level you desire. You will hear a 'Thank you' and a beep to indicate the level has been saved.

Individual Track Statistics

Here you gain access to the statistics for each individual track plays.

Note: These statistics are erased using setting 8.

Insert the dongle and select dial number 2. Wind the unit and it will ask you to 'Please turn me until I reach full power, I will tell you when to stop'. Continue to wind the handle until full power is reached.

The unit will now provide play statistics for each track in turn, from 1 - 8. Each number will be given in 6 digits, for example if track 1 has been played 238 times the U-Turn will say;

"Total messages for track one are as follows, zero zero zero two three eight".

You can exit this setting at any point by removing the dongle, the unit will finish giving the statistics for the current track then exit.

Total Track Statistics

Here you gain access to the total plays for every track combined.

Note: These statistics are erased using setting 8.

Insert the dongle and select dial number 3. Wind the unit and it will ask you to 'Please turn me until I reach full power, I will tell you when to stop'. Continue to wind the handle until full power is reached.

The unit will now provide play statistics for every track combined. The number will be given in 6 digits. For example if the number of plays for tracks 1-8

combined is equal to 1023 the U-Turn will say;

"zero, zero, one, zero, two, three"

It will repeat this number twice.

Upload New Content

Here you can update the 8 tracks available on your U-Turn Round and change the 'Please turn me' and 'I'm paused' messages. Please see the programming instructions on page 4.

Factory Settings (beeps on/off)

Here you can disable the end of message beeps that are set as standard on the U-Turn Round.

Insert the dongle and select dial number 5. Wind the unit and it will ask you to 'please turn me until I reach full power, I will tell you when to stop'. Continue to wind the handle until full power is reached.

Once at full power the unit will ask you to 'please enter your blackbox av pin code to use this selection'. Wait for a beep then enter the pincode using the selector dial, turn the dial to the required number then leave it until the unit repeats the number.

To turn beeps on enter [8-7-8-7-4](#)

To turn beeps off enter [8-7-8-7-5](#)

When you enter the final number wait 10 seconds for the new setting to be saved before touching the dial or handle. You should hear 3 beeps immediately after making the change, then a single beep after 10 seconds to indicate it has been saved.

Remove the dongle and test to ensure the beeps have been deactivated or reactivated.

Retrieve Units Serial No.

Here you gain access to your U-Turn's serial number. Insert the dongle and select dial number 6, wind the unit and it will ask you to 'please turn me until I reach full power I will tell you when to stop'. Continue to wind the handle until full power is reached.

Once enough power has been generated the U-Turn will give you your serial number to 6 digits, for example;

'Your U-Turn Round serial number is - zero zero zero one two three.'

Total Track Statistics

Here you can access the statistics for total all time plays. **This number can not be erased unlike statistics 2 and 3.**

Insert the dongle and select dial number 7. Wind the unit and it will ask you to 'please turn me until I reach full power, I will tell you when to stop'. Continue to wind the handle until full power is reached.

Once enough power has been stored the unit will provide the total all time play statistics to 6 digits. For example;

'Total messages played please note that this counter can not be reset - zero zero zero four five six'

It will repeat this statistic twice.

Erase Statistics

Here you can erase the statistics available in settings 2 and 3. **It does not erase the total stored play statistics in setting 7.**

This option allows you to track plays periodically if you wish and still keep track of total overall plays.

Insert the dongle and select dial number 8.

Wind the unit and it will ask you to 'please turn me until I reach full power, I will tell you when to stop'. Continue to wind the handle until full power is reached.

Once full power has been reached the unit will state;

'Warning you are about to reset the stat counters if you wish to cancel this please remove the dongle now'

There are then 5 warning beeps, remove the dongle before the 5th beep to cancel the reset. If you leave the dongle in place the unit will proceed to reset the counters for settings 2 and 3.

Programming U-Turn Round

Updating the audio content on your U-Turn Round couldn't be easier, you will need 4 things;

Note: Not compatible with Macs, must use Windows XP or above. Audio must be Mp3 format.

1. 2 standard messages (A1 & A2 - "Please turn me" and "I'm paused")
2. 8 audio messages (1 - 8)
3. USB Stick (included)
4. USB Programming Dongle (included)

We suggest you study / copy the files as they appear on your included USB Flash stick for future reference.

A1 & A2

These files are included on the Flash Stick and are responsible for the messages;

A1 - "Please turn me till the message plays"
A2 - "I'm paused, please turn me some more"

Changing these files allows you to customise the messages should you need to alter their phrasing or language. They must always be the first two files added to the USB Flash Stick, with A1 being dragged across first, then A2.

Note: The name of the files does not matter, the order they are added to the flash stick is what's important.

8 Audio Messages

You will need 8 audio files to upload to the U-Turn Round. Even if your U-Turn only utilises a portion of the audio slots, you will still need 8 files for upload. This means 10 files in total (including A1 & A2), if you attempt to program your U-Turn Round without the correct number of files it will tell you and the upload will fail.

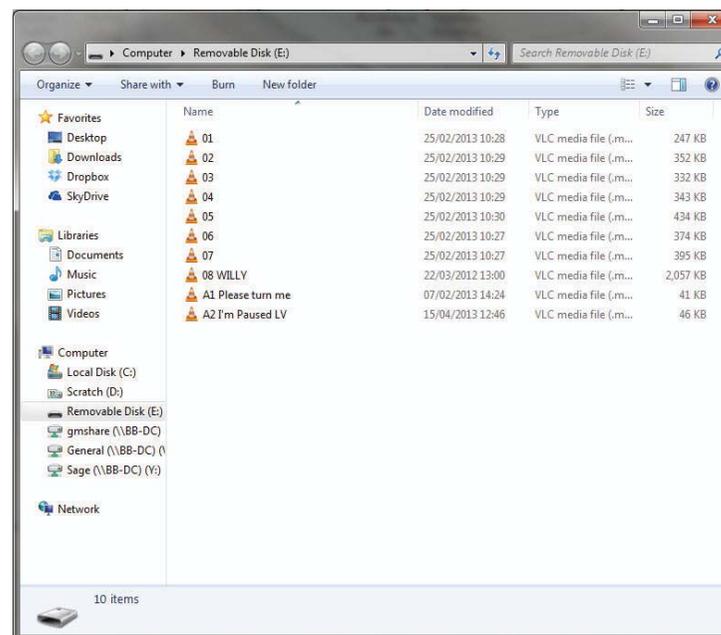
Once again the name of the tracks is inconsequential, the order in which you transfer them across to your USB Stick is what's important.

First transfer A1, A2, then track 1, track 2, track 3 etc. Each track will be selectable via the appropriate dial slot (track 1 = dial 1).

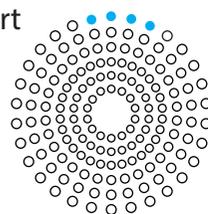
Note: If you do not have the USB Stick provided, use a USB stick less than 1GB in size if possible, if you have issues uploading your files please first retry with a different USB stick.

Uploading Content

You should now have 10 files on your USB Stick, including A1 & A2;



Again, please note that the name of your files does not matter, it's the order in which they are added to the USB stick, please drag A1 across first, then A2, then track 1, track 2 etc.



Connect your USB Stick to the USB Programming Dongle and insert into the connection slot located in the speaker grill (see image right). Select 4 on the dial and wind the handle.

You will be asked to “Please turn me till I reach full power, I will tell you when to stop”. Once full power is reached the U-Turn will tell you it’s “Transferring files”. It will inform you that you may need to wind the U-Turn again during the transfer for additional power. If so this will be indicated with beeps.

This process should take approximately 2 minutes total. You will see a red LED through the grill as the files are being transferred. When finished you will hear “Thankyou please remove the Dongle and USB Content Uploader”. Your content is now updated.

After Programming New Content

After programming new content the U-Turn needs to learn how much power is required to play each track, this will then minimise how much winding needs to be done by users in future.

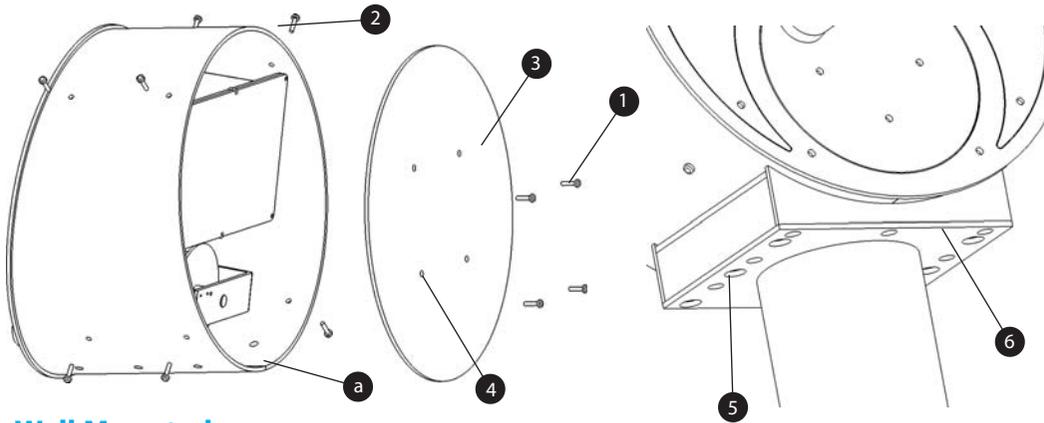
The first time each track is played you will hear the message ‘Please turn me till the message plays’, you will then need to wind the unit for approximately 8 seconds before the message begins.

Once playing the unit will monitor the message and remember exactly how much power is required for next time, this reduces how long you need to wind.

This needs to be done for every track individually, but only once. You can confirm the U-Turn is learning the length of each track via a blinking red LED within the speaker grill.

Installation Guide

Specifications



Wall Mounted

- a. Remove the 4 rear security screws (1). Remove 4 security screws (2) and detach the rear panel (3) from the unit (a).
- b. Using the rear panel (3) as a template mark 4 points through the four fixing holes(4). Ensure that the panel is straight.
- c. Drill the four marked holes and using appropriate fixings secure the rear panel to the wall through the 4 fixing holes(4). If attaching to an uneven surface take care not to over tighten as this could cause the plate to distort.
- d. Offer the unit up to the rear plate. Slide the tube over the fixing tabs. Align the holes, insert and tighten the 4 rear security screws (4).

Post Mounted

- a. Remove the 4 dome head security screws from the bag supplied. Place the U-Turn Round on the post collar (6).
- b. Align the mounting holes on the base of the U-Turn to the corresponding holes of the collar (6). Screw and tighten the 4 dome head security screws (5) through the collar into the base of the U-Turn

Export Post Mounted

- a. Fix collar and post adapter using screws (5) through the collar into the base of the uTurn.
- b. Fix collar and uTurn to post.

Messages

Message storage medium:	16MB Flash Memory (on board)
Maximum number of messages:	8. Must be 8 files (not including play and pause audio, A1 A2)
Message encoding format:	.mp3
Maximum total audio length:	23 minutes with audio @ 96kbps
Recommended message length:	< 2 minutes per message

The total audio length is dependent upon the audio bitrate, use the following link to determine the optimal bitrate for your audio;

<http://www.blackboxav.co.uk/bitrate-time-converter>

Please note that messages beyond 2 minutes in length will require an additional charge to complete their play.

Message selection via 8 position magnetic dial.

Message Output

Audio output:	1W into 8ohm speaker
Freq. range:	75Hz-20kHz

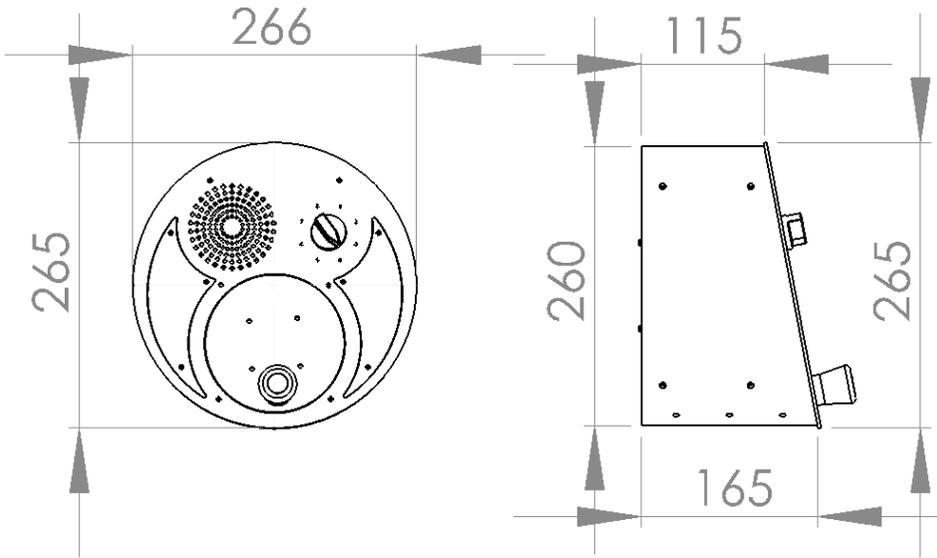
Power

Hand cranked dynamo charging internal capacitors

Weight

Unboxed 8KG
Boxed 9.5KG

Size



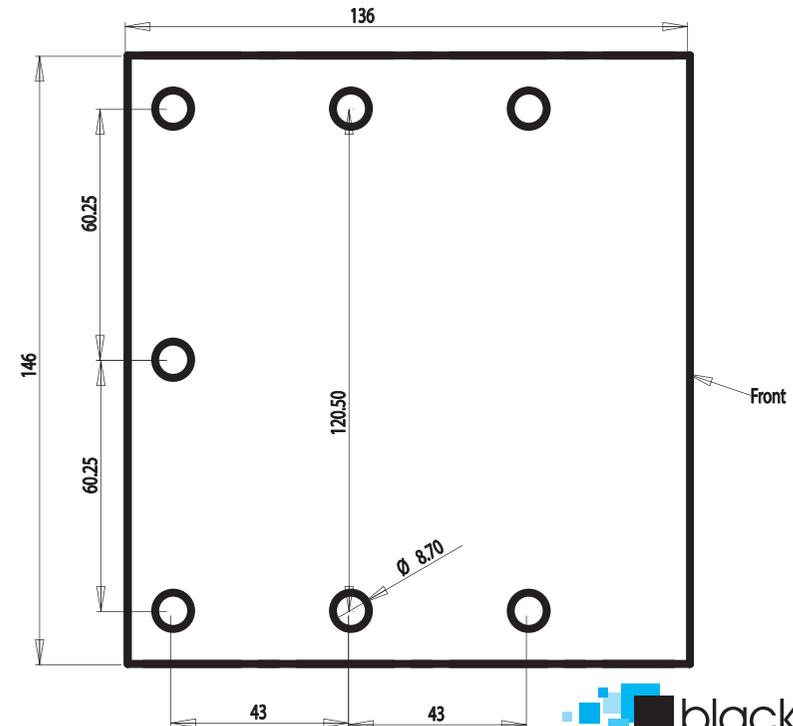
EXPORT COLLAR

If you are based outside the UK, for us to ship a pole will be quite costly, so to save you money we suggest you make a basic pole to the following specifications. We then supply this export collar which contains the complex connections to hold the U-Turn Round in place.



TOP OF POLE

Below is a template that shows the holes you will require in the top of your post to fix the collar to.



CONNECTOR COLLAR

We have designed this connector collar to supply to existing U-Turn customers. This collar fits the old style pole so its an easy to upgrade to the U-Turn Round.

