

POOR RADIO RECEPTION

Ensure the correct aerial selection has been made and that the aerial is properly connected. Check DAB coverage in your area.

NO SOUND FROM SPEAKERS WHEN PLAYING DAB OR FM RADIO

Ensure volume is turned up and there is a strong radio signal.

NO SOUND FROM SPEAKERS WHEN PLAYING TRACKS FROM AN SD CARD OR USB STORAGE DEVICE

Make sure tracks are in MP3 format and that they are not stored within a sub-folder. Ensure play has been pressed and the volume is turned up.

NO SOUND FROM SPEAKERS WHEN PLAYING MUSIC FROM AN EXTERNAL MEDIA DEVICE

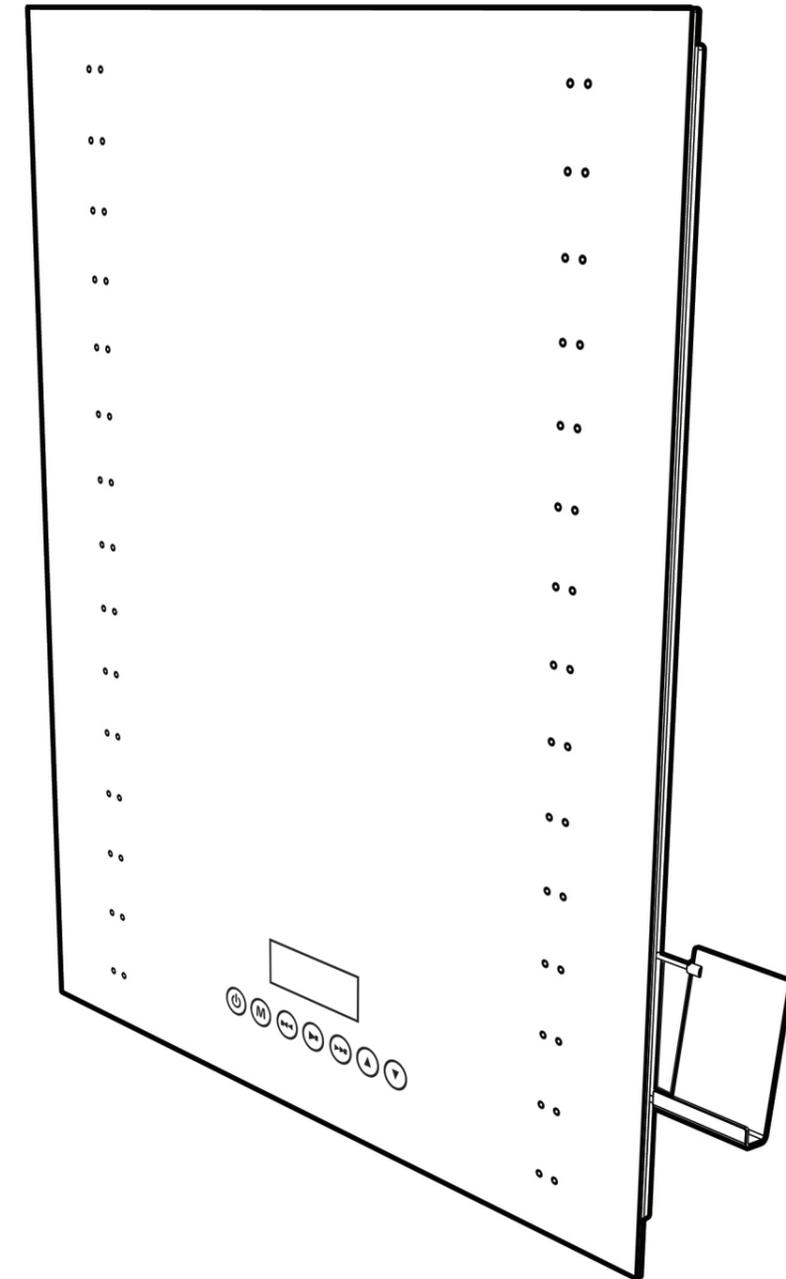
Ensure both ends of the cable are connected. Make sure music is being played and the volume of your media device is turned up. Turn up the volume on the mirror.

TIME DISPLAYED IS INCORRECT

Set clock manually using the guide found on page 16

THE DISPLAY LOCKS UP AND CONTROLS ARE INEFFECTIVE

To reset the mirror turn the mains power supply off for 20 seconds before turning back on.

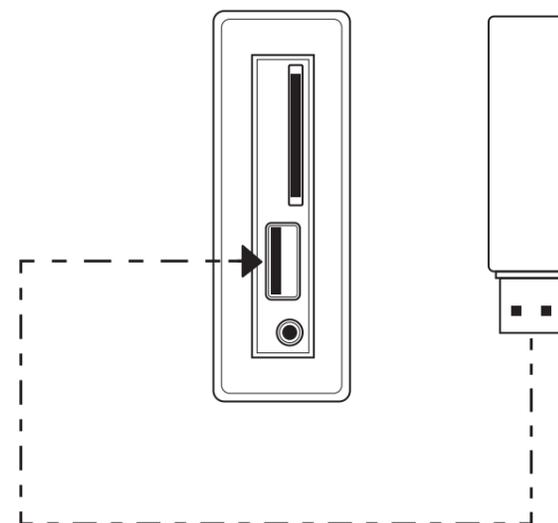


CONNECTING EXTERNAL DEVICES

This multimedia mirror will allow you to play DAB radio, FM radio, USB, SD and any portable audio player.

USB CONNECTION

Portable USB drives can be plugged into the mirror and audio files (MP3 format) can be played through the mirrors speakers. See instructions below.



Press the function button  until USB mode is selected on the display screen

Connect USB device into the USB port on the mirror (MP3 tracks will play automatically)

Press  to pause / play

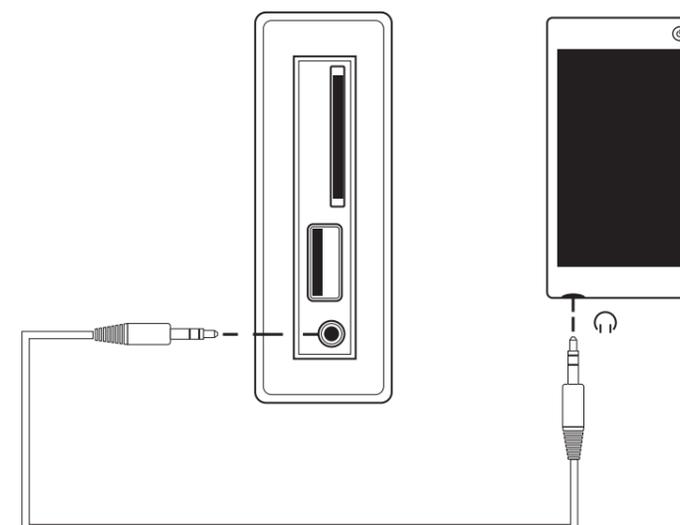
Skip tracks using the directional arrows keys

Backward  and forward 

NOTE: Its safe to remove USB at anytime

LINE-IN CABLE

Generic portable audio devices such as MP3 players can be connected to the radio mirror using the supplied Line-In cable. A holder is also supplied with the radio mirror so the audio device can be rested in position. See instructions below.



Press the function button  until Line-in mode is selected on the display screen

Connect Line-in cable to the Line-in port on the radio mirror

Connect Line-in cable to the headphone port on your portable audio device

Press play on portable audio device

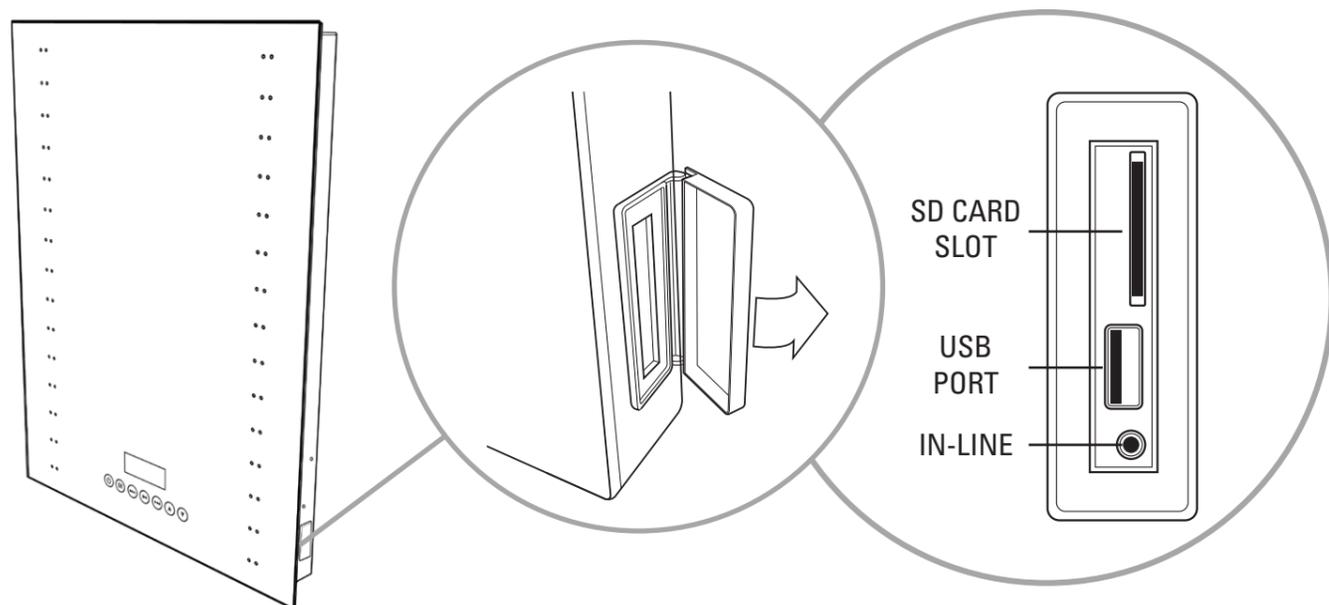
NOTE: Volume on your media device will need to be turned up when playing through mirror.

CONNECTING EXTERNAL DEVICES

External devices can be connected to the multimedia mirror and played through it's speakers. There are three ways of playing audio media through the radio mirror. See details and instructions below.

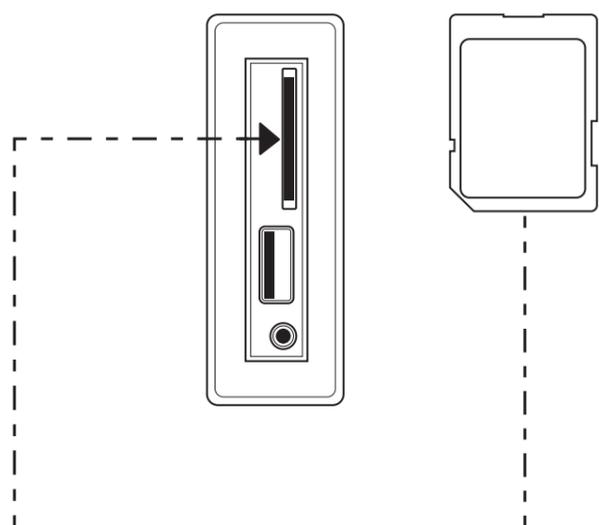
CONNECTION PORTS

To access the external connection ports simply flip open the plastic cover on the right hand side of the mirror. (When not in use the cover should be closed)



SD CARD READER

SD cards can be inserted into the mirror and audio files (MP3 format) can be played through the mirrors speakers. See instructions below.



Press the function button  until selected on the display screen

Insert SD card into the SD card reader (MP3 tracks will play automatically)

Press  to pause / play

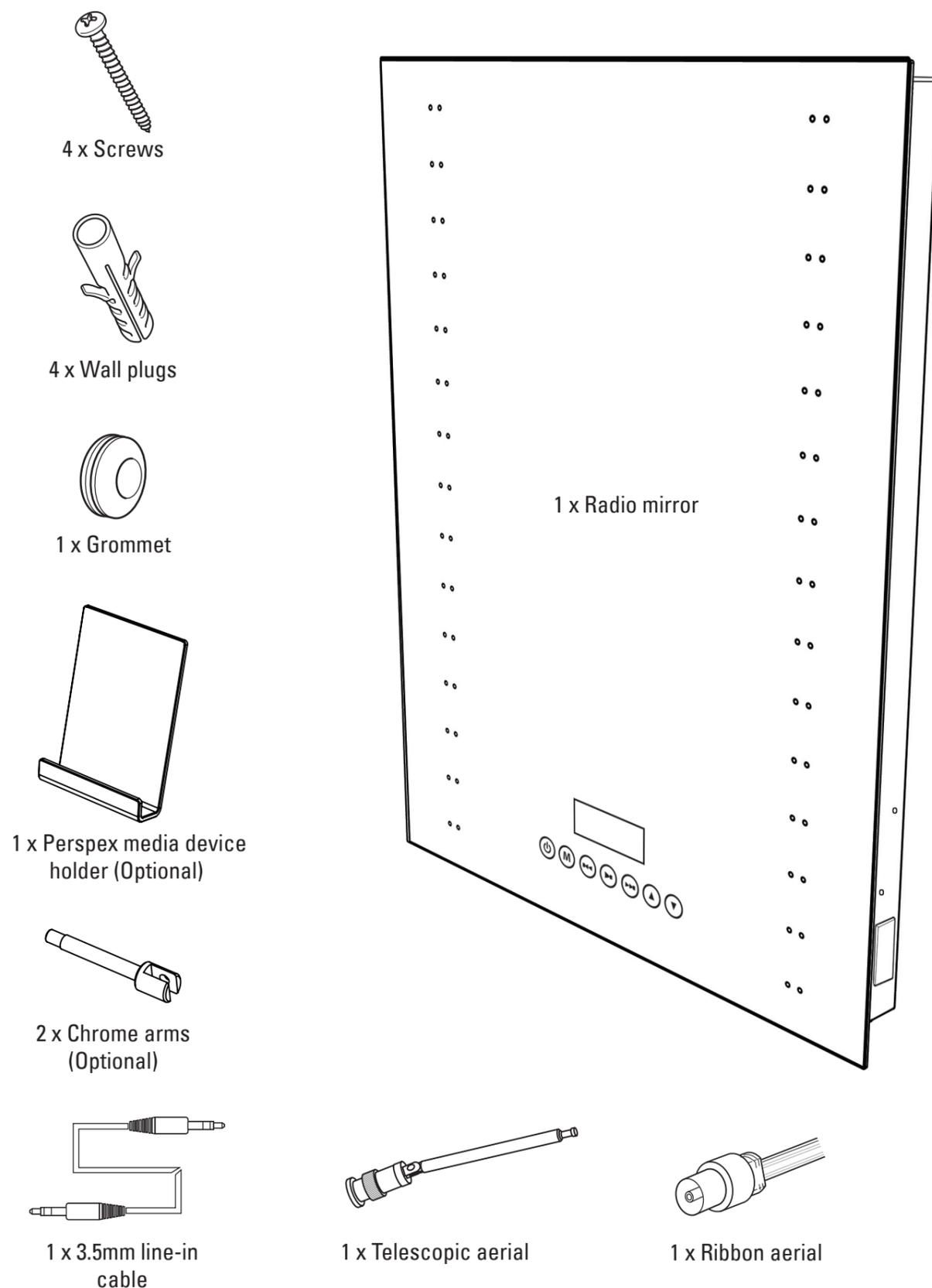
Skip tracks using the directional arrows keys
Backward  and forward 

NOTE: Its safe to remove SD card at anytime

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WHAT'S IN THE BOX



1. SCAN SETTING

2 options - ALL STATIONS | STRONG STATIONS - (this allows you to filter out stations with a poorer signal)
 Select an option using the directional arrows Backward and forward and press the menu button for 1 second to confirm selection.

2. AUDIO SETTING

2 options - STEREO & LOUD | FORCED MONO
 Select an option using the directional arrows Backward and forward and press the menu button for 1 second to confirm selection.

3. SYSTEM

This shows the software version currently installed.

PRESETS (DAB & FM)

You can store your favourite DAB and FM stations under presets. Follow the instructions below:

SAVING STATIONS IN PRESETS

To save the current station press and hold the pause/play button for 3 seconds until "PRESET STORE" appears on screen. Scroll to an empty preset slot. eg. "empty preset 1" using the directional arrows Backward and forward Press the menu button for 1 second to store the current station in the empty preset.

SELECTING STATIONS IN PRESETS

To bring up preset stations on screen press pause/play button for 1 second then scroll between presets using the directional arrows backward and forward . Press the menu button for 1 second to connect to selected station.

CLOCK & TIME SET UP

Press and hold on / off / function button for 3 seconds to bring up clock display screen. Then press and hold the pause/play button for 3 seconds until "TIME SET UP" appears on screen. Scroll between the 3 options (see below) using the directional arrows backward and forward . Press pause/play button for 1 second to confirm selection.

12:30
time set up
<set clock >

1. SET CLOCK - Use the directional arrows backward and forward to adjust the hour/minute/second on display. Press pause/play button to confirm.

12:30
time set up
<set date >

2. SET DATE - Use the directional arrows backward and forward to adjust the day/month/year on display. Press pause/play button to confirm.

12:30
time set up
<set 12/24hour>

3. SET 12/24 HOUR - Use the directional arrows backward and forward to set clock to 12 or 24 hour display. Press pause/play button to confirm.

FM RADIO MODE

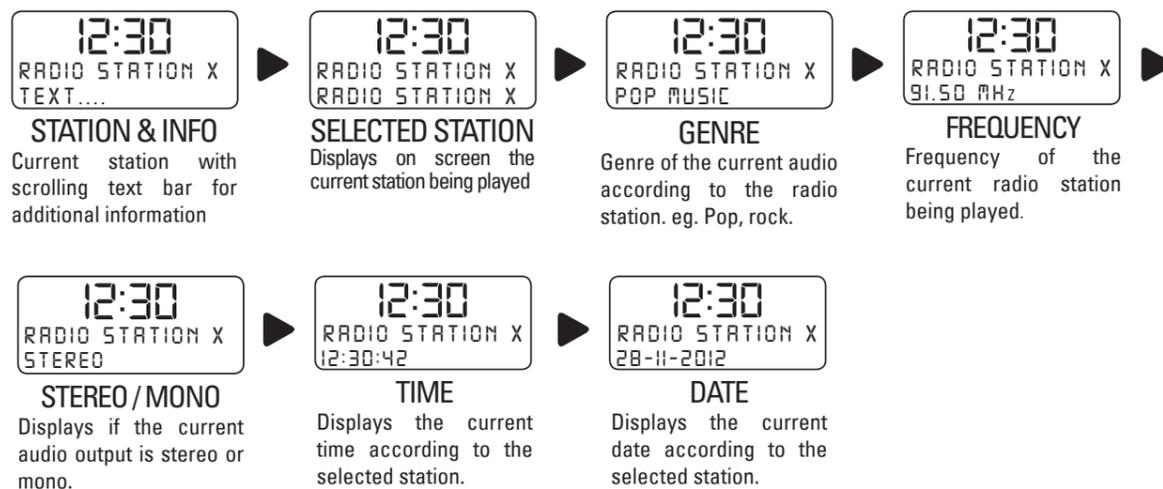
If it is not possible to receive a DAB signal in your area then you can tune into the FM radio which is more widely available. Press on / off / function button (⏻) for 1 second until FM mode is selected. (See Page 13 under getting started for more details on selecting media options)

CHOOSING A STATION TO LISTEN TO

Automatically search for stations on the display screen by pressing and holding the direction arrows Backward (⏮) and forward (⏭) until searching begins.
(To manually scroll between stations press the direction arrows briefly without holding the button)

FM DISPLAY OPTIONS

To access FM standard display options press the menu button (M) for 1 second (when in FM mode). Each press will scroll to the next option. See options below (diagrams are an example of what display may look like):



ADVANCED FM OPTIONS (WE RECOMMEND THESE ARE KEPT AT FACTORY SETTINGS)

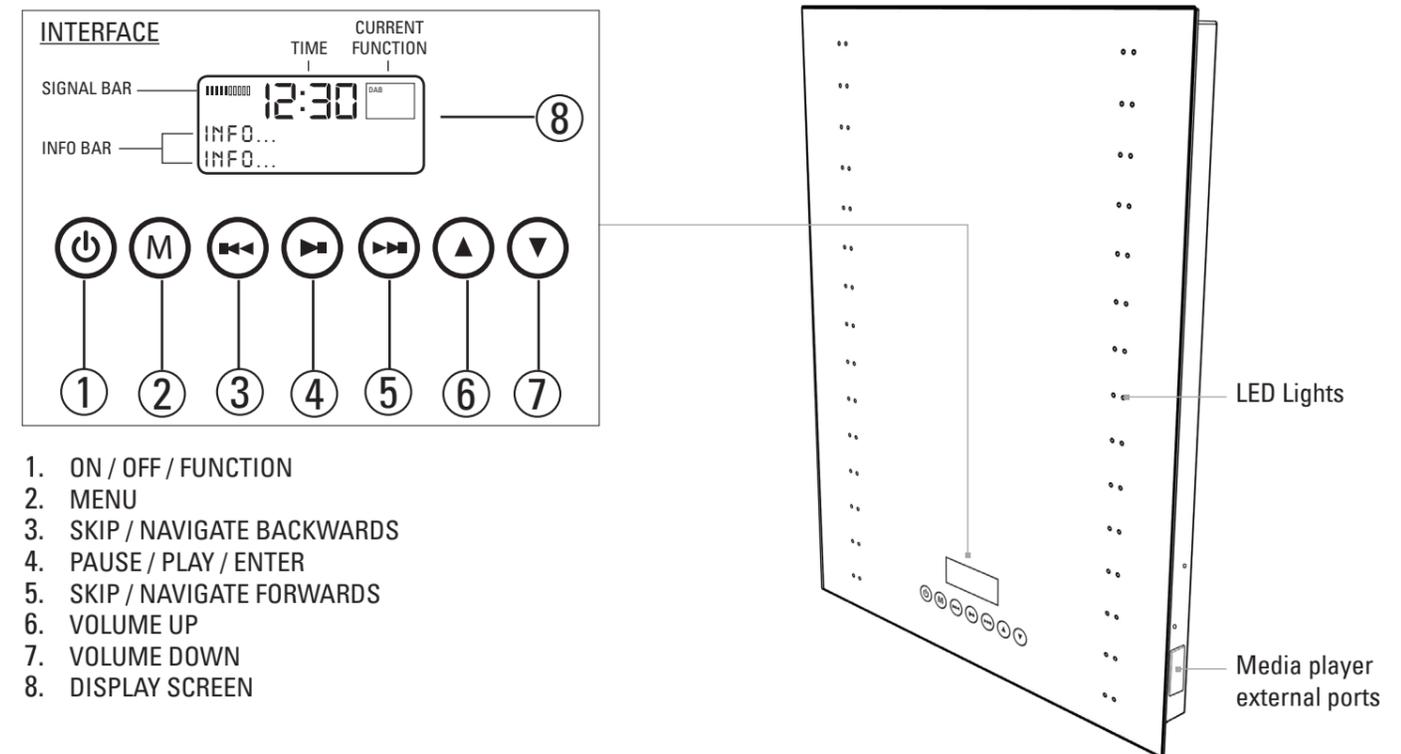
To access advanced FM options press and hold the menu button (M) for 3 seconds (when in FM mode). Scroll between options on the display screen using the directional arrows Backward (⏮) and forward (⏭). Press the menu button (M) for 1 second to select option. To navigate back to previous screen press and hold the menu button (M) for 3 seconds. See advance options below:



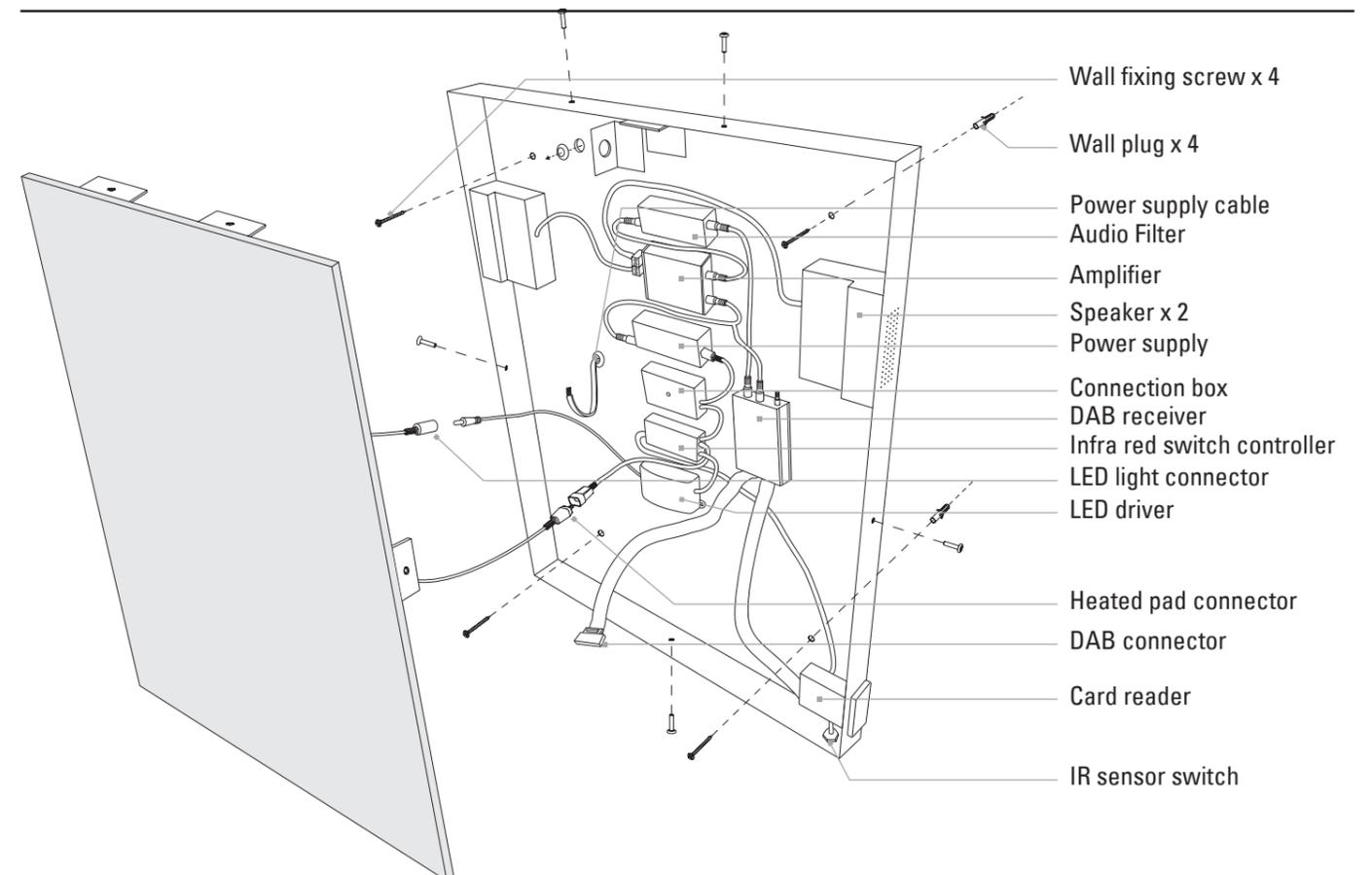
(see overleaf for more details of these options)

NOTE: To escape from selected menu press and hold the menu button (M) for 3 seconds to navigate back to previous screen.

OVERVIEW OF RADIO MIRROR



COMPONENTS



PRE - INSTALLATION ADVICE

Before beginning installation please check DAB coverage in your area at www.ukdigitalradio.com. It's also essential that you consider the different aerial options available with this mirror before installation. If you find the radio signal is not being received at a sufficient level then please refer to page 7 for advice on alternative aerial options.

SIGNAL CHECK

Before Installation it is very important you check there is sufficient DAB and FM signal within the specific room the mirror is to be installed. It is strongly recommended that the mirror is switched on and tested before proceeding any further (page 12 demonstrates how to turn the radio on).

PLEASE NOTE: Signal quality will differ from location to location therefore Roper Rhodes can not be held accountable for the level of radio reception received by your Radio Mirror so please follow the advice above.

SAFETY INFORMATION

All fittings must be installed by a competent person, in accordance with current IEE wiring regulations. If in doubt, consult a qualified electrician.

IMPORTANT

Always switch off the electrical supply at the mains during installation and maintenance. It is recommended that the fuse is withdrawn or the circuit breaker is switched off for the necessary circuit before installation commences.

The product must be mounted a minimum of 150mm from an adjacent wall or obstruction to ensure correct function of the infrared sensor.

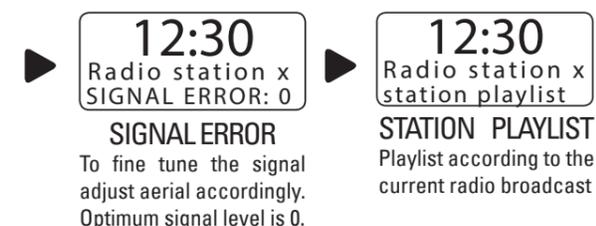
This product is only suitable for permanent installation. DO NOT connect to a trailing plug and socket outlet.

Although this product has an Ingress Protection rating of IP44, it is only suitable for indoor use. Do not attach the product to surfaces that are damp or otherwise electrically conductive.

The product should be positioned well away from curtains and other fabrics. Never cover the mirror.

This product is heated, we recommend that it is turned off after use and should never be left on for prolonged periods of time.

Fitting in Bathrooms is subject to the appropriate location (See Diagram). Refer to IEE Regulations. This product is suitable for Zones 2 and outside zones. It IS NOT suitable for installation in Zone 0 or Zone 1. It is also not suitable for installation in Saunas, Steam Rooms, Wet Rooms or Shower Cubicles.



ADVANCED DAB OPTIONS

To access advanced DAB options press and hold the menu button (M) for 3 seconds (when in DAB mode). Scroll between options on the display screen using the directional arrows Backward (◀) and forward (▶). Press the menu button (M) for 1 second to select option. To navigate back to previous screen press and hold the menu button (M) for 3 seconds. See advance options below:



1. SCAN

This will check for available stations and update station list accordingly. It is recommended regular scans are carried out to ensure up to date station list

2. MANUAL TUNE

Manually scroll between radio stations using the directional arrows Backward (◀) and forward (▶)

3. DRC (DYNAMIC RANGE COMPRESSION)

3 options - HIGH | LOW | OFF - Select an option using the directional arrows Backward (◀) and forward (▶) and press the menu button (M) for 1 second to confirm selection.

4. PRUNE (allows user to delete unwanted stations from list)

Select either 'YES' or 'NO' using the directional arrows Backward (◀) and forward (▶) and press the menu button (M) for 1 second to confirm selection.

5. SYSTEM

This shows the software version currently installed.

NOTE: To escape from selected menu press and hold the menu button (M) for 3 seconds to navigate back to previous screen.

GETTING STARTED

Once the radio mirror has been installed it is ready for use. Press power button  for 3 seconds to turn on the media player display and choose between the range of options by pressing on / off / function button  for 1 second to scroll between the different functions shown below:



DAB RADIO MODE

Digital Audio Broadcasting (DAB). This is the primary radio mode for this radio mirror. It provides more choice, better sound quality and more information than FM radio.

TUNE TO DAB RADIO STATIONS

The unit will automatically scan for stations upon first power up
(Scanning should take about 1 minute and once completed stations will be stored for future use.)

NOTE: Perform full scan regularly as new stations are frequently added to DAB broadcast. (To perform a full update / scan see **ADVANCED OPTIONS**)

CHOOSING A STATION TO LISTEN TO

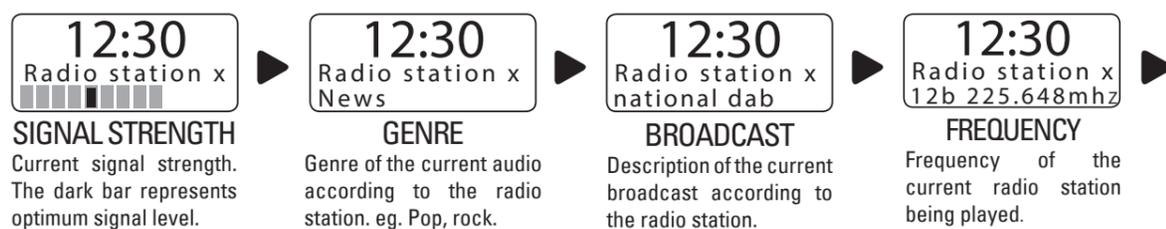
Scroll between stations on the display screen using the directional arrows Backward  and forward 

After 3 seconds station will automatically play the selected station

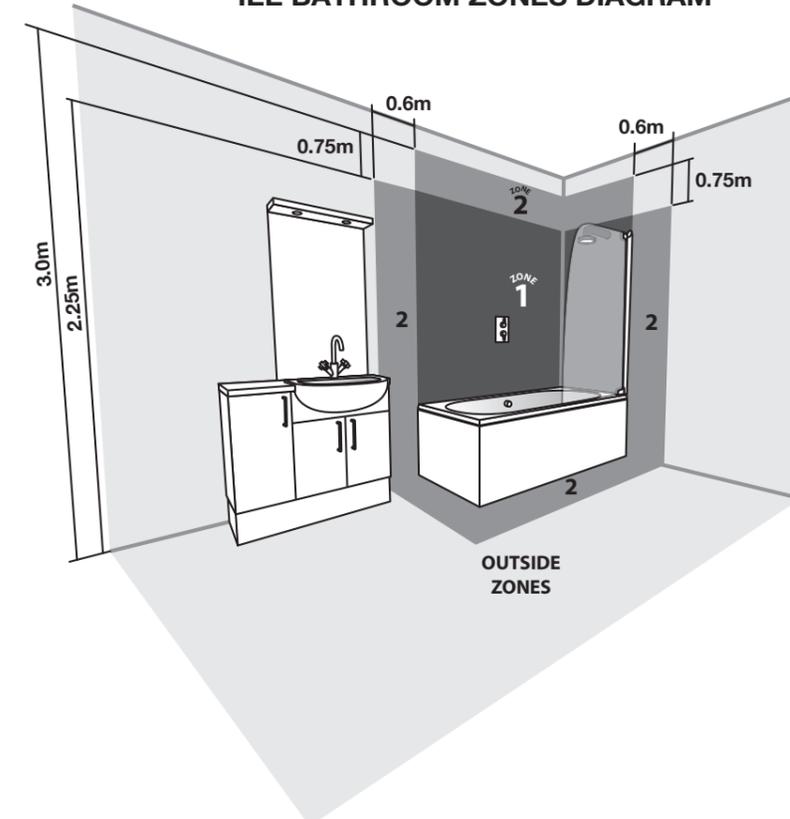
Use   to increase or decrease volume

DAB DISPLAY OPTIONS

To access DAB standard display options press the menu button  for 1 second (when in DAB mode). Each press will scroll to the next option. See options below (diagrams are an example of what display may look like):



IEE BATHROOM ZONES DIAGRAM



TAKE CARE

Wear suitable eye protection when drilling. Take care when using power tools near water - the use of a residual current device (RCD) is advised. Beware of hidden cables or pipes. Take care if drilling on tiled surfaces in case the drill slips. A piece of masking tape applied to the wall before marking out the fixing holes will stop the drill from wandering.

WARNINGS

Do not strike glass components with hard or pointed items. Do not place very hot or very cold items against or in close proximity to glass surfaces unless an adequately thick insulation material is used to prevent such items coming in contact with the glass. The nominal thickness of the mirror glass used in this product is 5mm and is film backed for safety.

COMPLIANCE

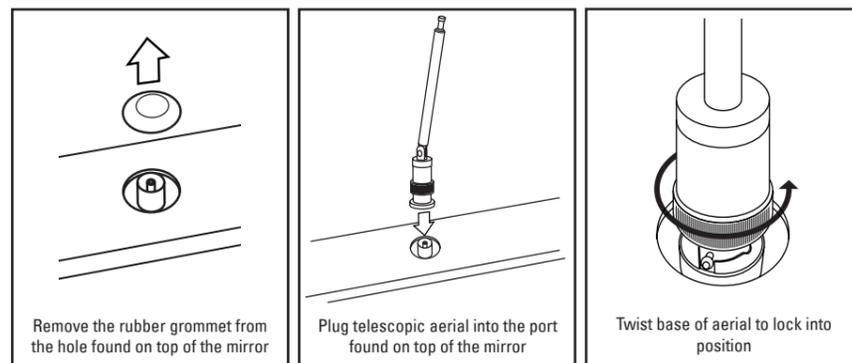
This product complies with all the relevant British and European standards.

INSTALLING ANTENNA

There are 3 different antenna options for this radio mirror. Select the antenna option to suit the installation at hand using the guidelines below.

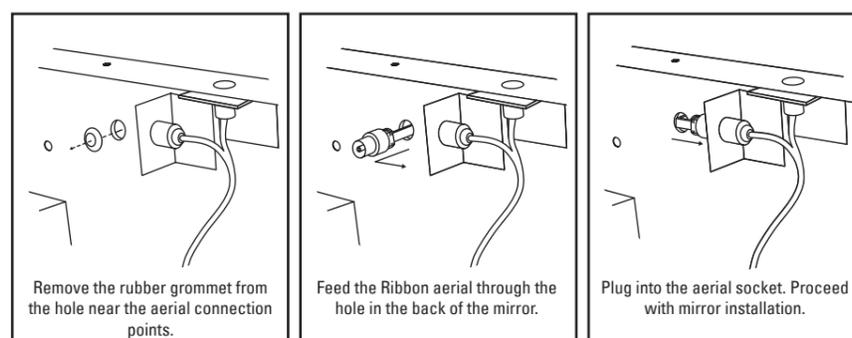
OPTION 1: TELESCOPIC AERIAL

For quick and easy installation fit the telescopic aerial to the radio mirror. However signal may not be received at optimum level when using this option. If not using this aerial ensure rubber grommet remains in place to maintain IP rating.



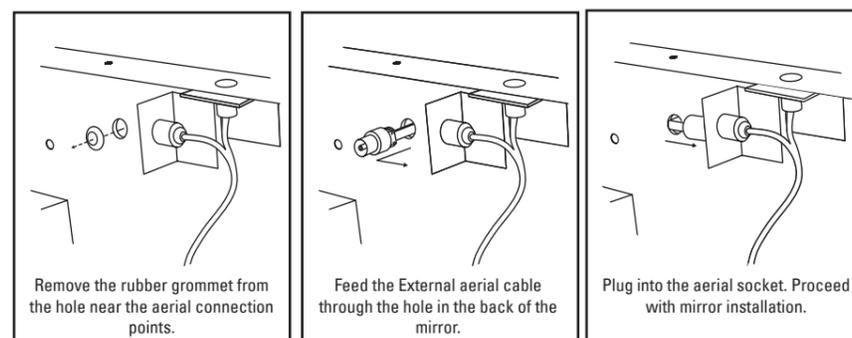
OPTION 2: RIBBON AERIAL

This option may provide a better signal than the telescopic aerial and can be hidden from view by tiling it into a wall. To do this simply pin it to a plasterboard wall and tile over it. Ensure a good signal strength can be achieved before committing to ribbon aerial installation.



OPTION 3: EXTERNAL AERIAL

Recommended. This option will provide optimum signal to the radio mirror. It is possible to connect to an external aerial using the additional aerial socket inside the mirror.



MAINTENANCE

REPLACING LAMPS

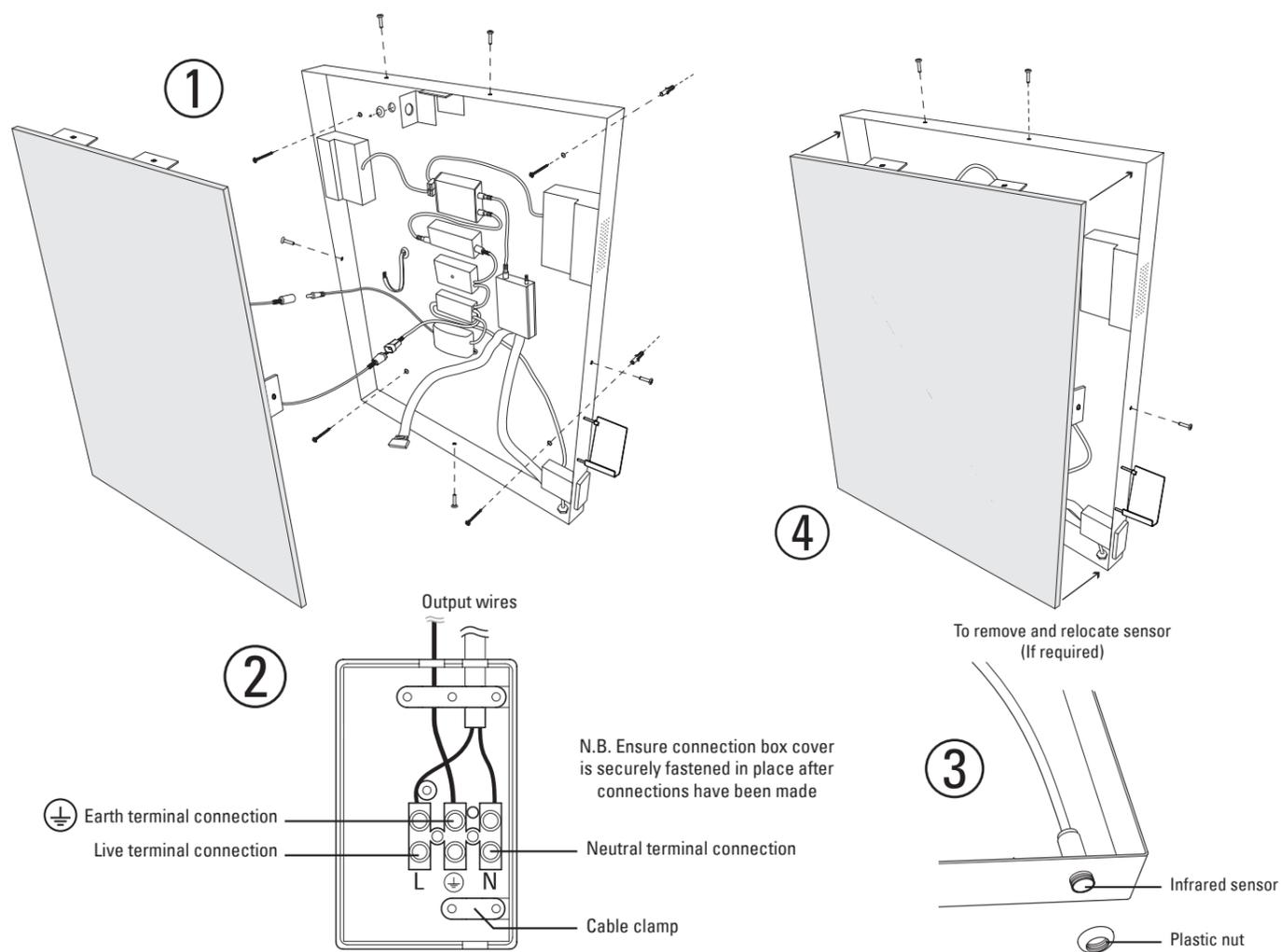
In the unlikely event that the LED light strip should fail please contact Roper Rhodes customer services for a replacement part at the address shown.

WARNING - Disconnect the unit from the mains power supply before attempting to replace a lamp. Remove the mirror glass from the body by removing the screws and washers. Disconnect the heated mirror pad, LED light strips and DAB connector then place the mirror face down on clean soft surface. The LED strips can be removed by sliding them along the mounting plate, the replacement should then be pushed onto the mounting plate until it clicks securely into place. Reconnect the heated mirror pad, LED light strips and DAB connector. Reposition the mirror glass on the body and secure with the screws and washers previously removed.

CLEANING

It is recommended that the unit is cleaned with a soft dry cloth when turned off. Never use cleaning agents or abrasive materials on any type of surface finish. Do not allow moisture to come into contact with the lamps.

INSTALLATION PROCEDURE



IMPORTANT

Loose connections can lead to over heating. Excessive temperatures may lead to scorching of the plastic components, and in extreme cases may even melt. Charring of components is always a consequence of faulty installation or maintenance, and any claims are excluded from the warranty.

5) Reconnect the heated mirror pad and the LED light strips and the ribbon connector for the DAB module.

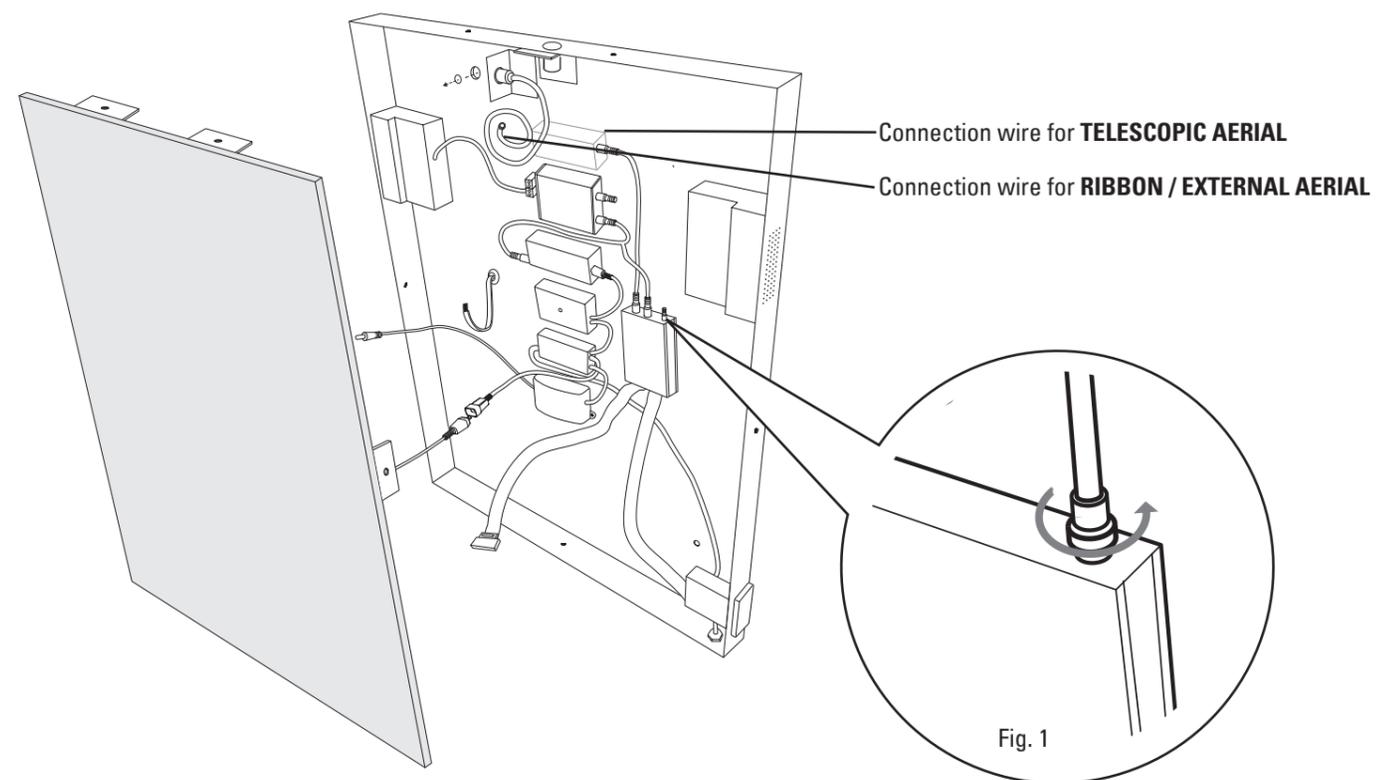
6) Replace the mirror over the front of the body, aligning the holes in the brackets with the screw holes. Make sure that the glass fits completely flat on the face of the body. Secure with the screws and washers removed in stage 1.

7) Turn back on the electrical supply so that your Backlit Mirror is operational.

8) To switch the mirror on or off move your hand past the IR sensor (must be within 6cm), the heated pad is turned on when the LED lights are illuminated. We recommend the product is turned off after use. The media player is controlled separately.

IMPORTANT AERIAL INFORMATION

To use the Ribbon or External aerial option it is necessary to remove the connection wire for the TELESCOPIC AERIAL from the DAB receiver and replace it with the connection wire for RIBBON / EXTERNAL AERIAL. Follow the instructions below.



- Unscrew the connection wire for the Telescopic aerial from DAB receiver (See fig.1)
- Screw the connection wire for the Ribbon / External aerial into DAB receiver. Connection wire for the Ribbon / External aerial can be found coiled up at the top of the mirror
- It is recommended that the connection wire for the Telescopic aerial is coiled up and taped to the mirror body when not in use to prevent damage.

INSTALLATION PROCEDURE

BEFORE YOU START

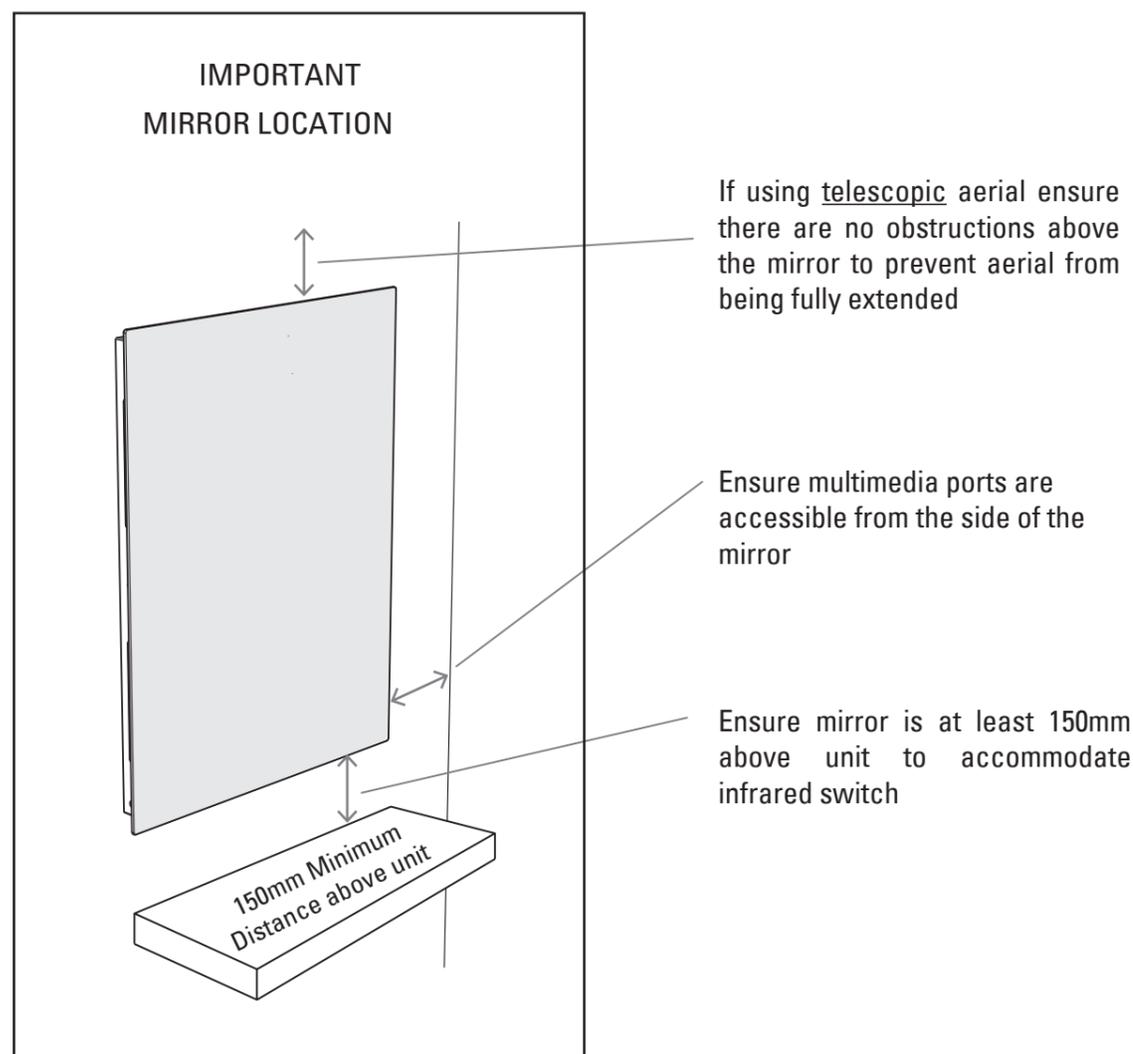
IMPORTANT

This product MUST be installed by a qualified electrician in accordance with British Standard BS 7671.

IMPORTANT

The wall surface must be of suitable strength and construction. Wall plugs provided are suitable for Stone or Brick walls only. For other wall types use appropriate wall plugs. If in doubt consult an expert.

To ensure correct operation of the IR sensor switch the mirror must be mounted at least 150mm away from an adjacent wall or if mounted horizontally 150mm above the basin or work surface.

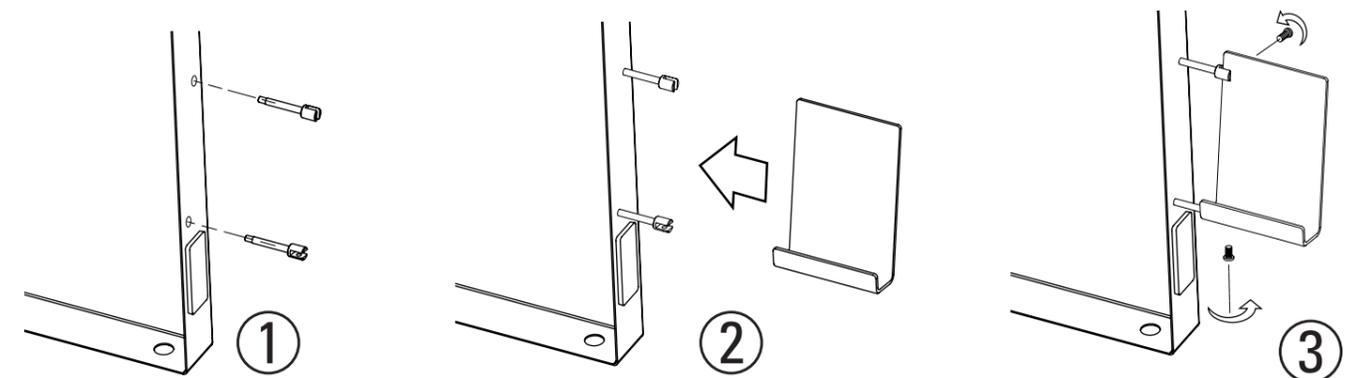


1) Carefully separate the mirror glass by removing the securing screws on the sides of the mirror body and separate the two halves. Place the mirror, screws and washers in a safe place for now. The heated mirror pad, LED light strips and DAB module ribbon connector should be disconnected by separating the plugs.

2) Mark the desired height of the mirror and draw a horizontal line on the wall (using a spirit level) which corresponds with the height of the top holes in the back of the mirror body.

Holding the mirror body in place on the horizontal line, mark off all 4 holes in the back of the mirror body. Also mark off where the electrical supply cable and external aerial (if required) must be placed in case they need to be chased out locally for the installation. Place the mirror body to one side and drill the holes as necessary for the wall plugs. Insert the wall plugs.

NOTE: It is easier and recommended that you install the optional portable media device holder before fitting the mirror to the wall. See diagrams below:



3) Screw the mirror body in position having fed the power supply cable and external aerial (if required) through the rubber grommets in the mirror body. Make sure that all screws are secure.

4) Ensure that the electrical supply is turned off at the mains. Remove the connection box cover inside the mirror body and the cable clamp to allow the electrical connections to be made as follows:

THIS PRODUCT IS MANUFACTURED TO CLASS I CATEGORY AND MUST HAVE AN EARTH CONNECTION.

<p>Colour Coding: L - Live = Brown N - Neutral = Blue ⊕ - Earth = Green & Yellow</p>	<p>Strip wires to a suitable length. DO NOT connect to a plug & socket outlet.</p>
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Strip the mains PVC supply cable as necessary. Thread the power supply through the rubber grommet on the switch box and make the necessary connections in accordance with the current IEE Regulations. Firmly tighten all terminal connections. Make sure the cable clamp is replaced and tightened and replace the connection box cover