

These instructions are for the connection of a Sky™ receiver box to an analogue TileVision® to display Sky™ television programs.

Identifying the Model and the Available Options

The model of the TileVision® that you have will determine the options available to remotely controlling a Sky™ receiver.

All 23" models can be adapted to remotely control a Sky™ receiver.

Only the later models of the 17" TileVision® can be adapted to remotely control a Sky™ receiver.

In all cases:

- Remote control of the TileVision® is by using the TileVision® remote control.
- Remote control of the Sky™ receiver is by using the Sky™ remote control.

Remote control of both the TileVision® and Sky™ receiver can be performed by use of the TileVision® Learning Remote Control. See www.tilevision.tv for details.



LED light at right of TileVision

If the TileVision® you have fitted has a small window in the bottom right hand corner where the red/green light can be seen. The TileVision® is an earlier model and can not be adapted to provide remote control.



LED light at centre of TileVision

If the TileVision® you have fitted has the red/green light positioned centrally. The TileVision® is a later model and can be adapted to provide remote control.

Identifying the Model and the Available Options – *continued*

Note: For a Sky™ receiver to be remotely controlled via the TileVision, the Sky™ receiver must have two RF outputs. The second output is normally marked as 'RF Out - 2 9V DC 75mA Max'.



Second RF output

If you have a Sky™ receiver with a second RF out

- If your TileVision® can be adapted and you required the Sky™ receiver to be remotely controlled via the TileVision®. Please read the instructions 'Sky™ Receiver With Remote Control' pages 3 to 6.

If this is the chosen option the TileVision® will have to be removed from its back box in the wall, as shown on page 10, so that new equipment can be installed and connections can be made. The TileVision® will have to be resealed with silicone, as shown on page 11, to make it waterproof again.

- If your TileVision® can NOT be adapted to provide remote control to the Sky™ receiver, or remote control of the Sky™ receiver is not required. Please read the instructions 'Sky™ Receiver Without Remote Control' pages 7 and 8. In this instance connections do not need to be made within the TileVision® and there is no need to remove it from the back box.

Sky™ Receiver With Remote Control

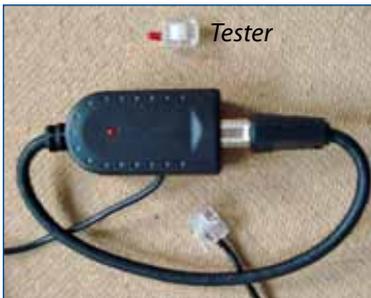
The equipment required is as follows, additional items may be required.

a: A Sky™ receiver that has 2 RF outputs.



Note: The Remote Control Sender Unit (RCS Unit) is designed to work with Sky™ receivers that have 2 RF outputs. If the Sky™ receiver does not have 2 RF outputs, viewing the Sky™ channel (via the aerial connection) and remotely controlling the Sky™ receiver box from the TileVision® will not be possible.

b: RCS Unit (Remote Control Sender Unit).



This item is only available from Porta Lancastrian Ltd/TileVision® 0870 8710 111.

It is designed to connect to the TileVision® so that the Sky™ receiver can be remotely controlled from the TileVision®.

c: Male/female aerial lead connectors as required.

For instructions of how to set the Sky™ receiver output channel number/RF Outlet Power Supply (RF OUT - 2) to ON, see 'Sky™ Receiver Set Up' page 9.

Sky™ Receiver With Remote Control – *continued*

On the rear of the Sky™ receiver, there will be three connections; they may be labelled differently, or in a different arrangement from the example in the picture.



RF OUT - 1 – Main TV connection RF OUT - 2 – TileVision® connection

RF OUT – 1, this output socket normally connects to your main TV. DO NOT connect this output socket to the TileVision®.

RF OUT – 2 (9V DC 75mA MAX), this output socket must connect directly to the TileVision® via a coaxial cable. This is the output socket that will allow the Sky™ receiver to be remotely controlled from the TileVision®.

Please note that RF OUT – 2 must connect directly to the TileVision®. The signal must not go via an RF aerial amplifier, or other equipment that has a 'loop' through tuner. The RF aerial amplifier or other equipment that has a 'loop' through tuner will prevent the required 9V DC power supply from reaching the TileVision®. Without the 9V DC power supply, remote control for the Sky™ receiver, from the TileVision® will not be possible.

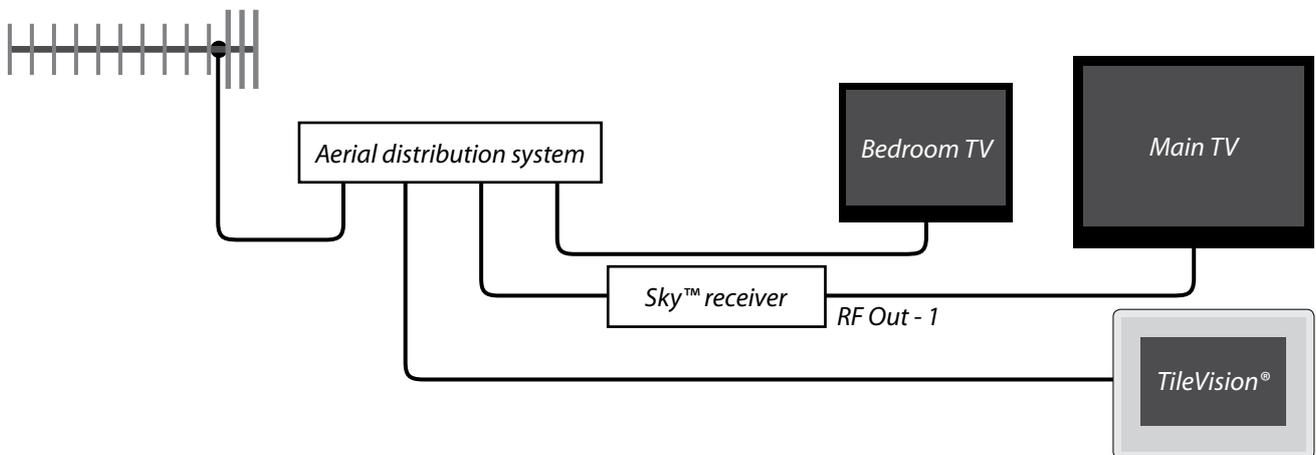


Figure A – Typical installation showing aerial lead routing

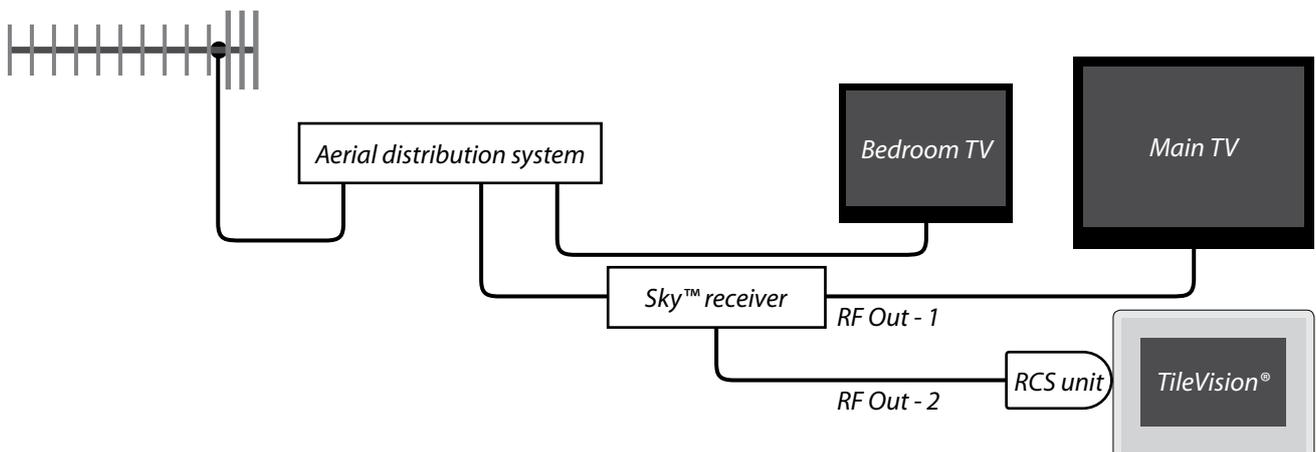


Figure B – Aerial lead routing after equipment is installed

Sky™ Receiver With Remote Control – *continued*

Connect the RCS unit to RF Out – 2 and check that the red light is lit. If the red light is not lit, recheck and ensure that the RF Outlet Power Supply is set to ON and the settings are saved.

Disconnect the RCS unit from RF Out – 2.

Switch off the TileVision® at the isolation switch.

Ensure all equipment that distributes the aerial signal is switched off and isolated from the mains supply before disconnecting/connecting the aerial lead.

Switch off and isolate the Sky™ receiver from the mains supply.

Disconnect the aerial lead from the aerial distribution system (this could be an amplifier with multiple outputs or a Y connector) that goes to the TileVision®. Connect this aerial lead to the 'RF Out - 2' socket of the Sky™ receiver.

TileVision® connections.

Switch off the TileVision® at the isolation switch and remove the TileVision® from the back box as shown on page 18.

Connect the RCS unit to the aerial lead that would normally connect to the TileVision®.



Main aerial lead to bathroom connected to the RCS unit

Switch on the Sky™ receiver and check the red light on the RCS unit is lit.

Switch OFF the Sky™ receiver and check the red light on the RCS unit is not lit.

Note: This test shows that there is an unbroken aerial lead from the Sky™ receiver and that the Sky™ receiver is providing the power for the RCS unit.

If the red light on the RCS unit is lit and the Sky™ receiver is switched off, there is a BREAK in the aerial lead and the RCS unit is being powered by another piece of equipment.

Testing the TileVision®.

It is recommended to check that the TileVision® will correctly receive and send the remote control signals to the Sky™ receiver (and control the Sky™ receiver). A 'tester' has been provided for this purpose.

Connect the TileVision® tester to the side connector socket. Push the tester firmly in to the side connector socket, there is a locking catch that has to 'click' to ensure that the tester is fully fitted.

Connect the power lead to the TileVision® and switch the power on at the isolation switch.



The TileVision® can be in either standby (red light on) or switched on (green light on). The light on the tester will light. Point the Sky™ remote control at the front of the TileVision®. On the Sky™ remote control, press a button (for example button 1) and keep it pressed, the light on the tester should flash. The light will flash very quickly. This concludes the test and demonstrates that the TileVision® will receive and send the remote control signals to the Sky™ receiver to control it.

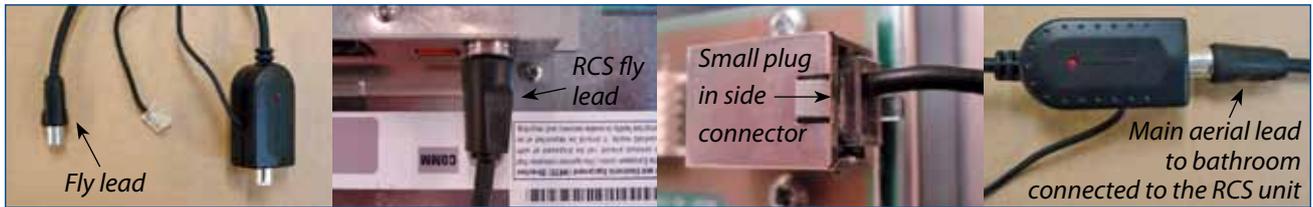
Switch the power off at the isolation switch for the TileVision®.

Depress the locking catch of the tester and gently remove it from the side connector socket.

Sky™ Receiver With Remote Control – *continued*

Connect the aerial fly lead of the RCS unit to the aerial input socket of the TileVision®. Ensure the other end of the RCS unit is connected to the aerial lead that is coming from Sky™ receiver (RF OUT - 2).

Connect the small plug in to the side connector socket. Push the plug firmly in to the side connector socket, there is a locking catch that has to 'click' to ensure that the plug is fully fitted.



Reconnect all other cables as required to the TileVision® and temporarily refit the TileVision, taking care not to trap any cables. The RCS unit can be placed either to the side or the bottom of the back box. Do not seal the TileVision® until it is fully tested.

Ensure everything is switched on.

- Aerial distribution system
- ◆ Sky™ receiver
- ◆ TileVision® isolation switch.

Switch the TileVision® on and select the channel you will be tuning, to view the Sky™ receiver channel.

Manually tune the channel to the output channel of the Sky™ receiver (using the TileVision® remote control). Refer to the TileVision® Operating Instructions Manual.

Test that the Sky™ receiver can be remotely controlled.

Seal the TileVision® into the back box as shown on page 11.

End of instructions for Sky™ receiver with remote control.

Sky™ Receiver Without Remote Control

The equipment required is as follows, additional items may be required.

a: A Sky™ receiver that has 2 RF outputs.



b: Male/female aerial lead connectors as required.

Please read these instructions carefully before attempting the installation.

For instructions of how to set the Sky™ receiver output channel number see 'Sky™ Receiver Set Up' page 9.

Connections/connecting the equipment.

Note: Take all necessary precautions to prevent electric shock. If the TV reception signal is distributed by 'POWERED' equipment, ensure the equipment is switched off/isolated.

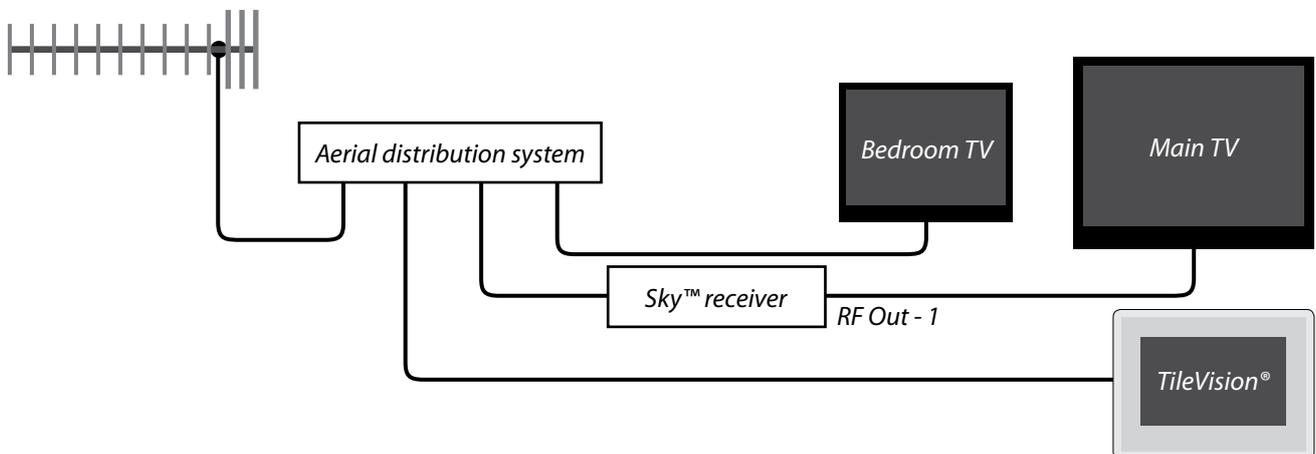


Figure A – Typical installation showing aerial lead routing

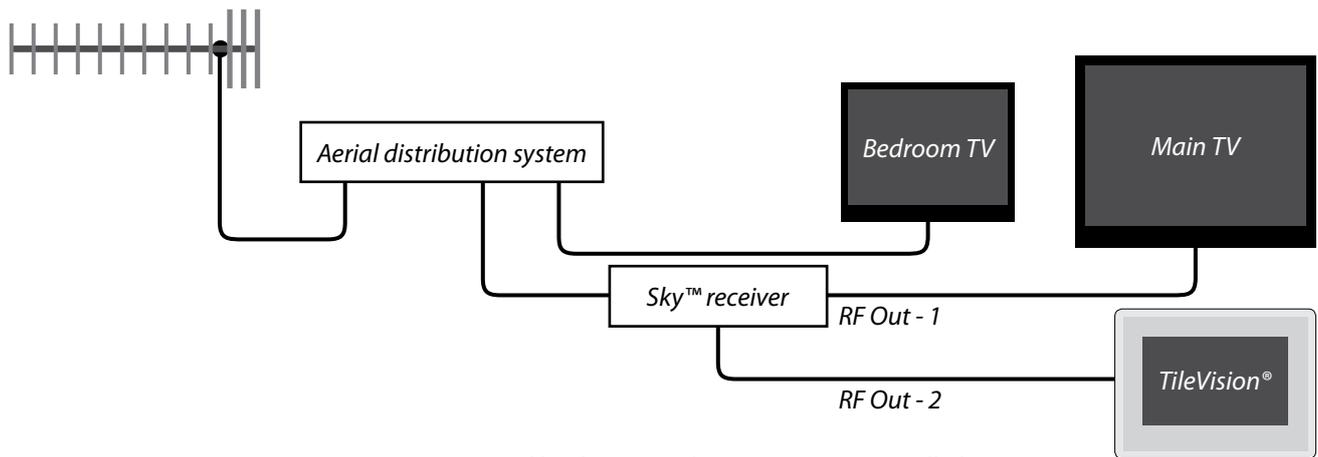


Figure B – Aerial lead routing after equipment is installed

Switch off the TileVision® at the isolation switch.

Ensure all equipment that distributes the aerial signal is switched off and isolated from the mains supply before disconnecting/connecting the aerial lead.

Switch off and isolate the Sky™ receiver from the mains supply.

Disconnect the aerial lead from the aerial distribution system (this could be an amplifier with multiple outputs or a Y connector) that goes to the TileVision®. Connect this aerial lead to the 'RF Out - 2' socket of the Sky™ receiver. Refer to the Sky™ receiver installation instructions.

Ensure everything is switched on.

- Aerial distribution system
- ◆ Sky™ receiver
- ◆ TileVision® isolation switch.

Switch the TileVision® on and select the channel you will be tuning, to view the Sky™ receiver channel.

Manually tune the channel to the output channel of the Sky™ receiver (using the TileVision® remote control). Refer to the TileVision® Operating Instructions Manual.

End of instructions Sky™ receiver without remote control.

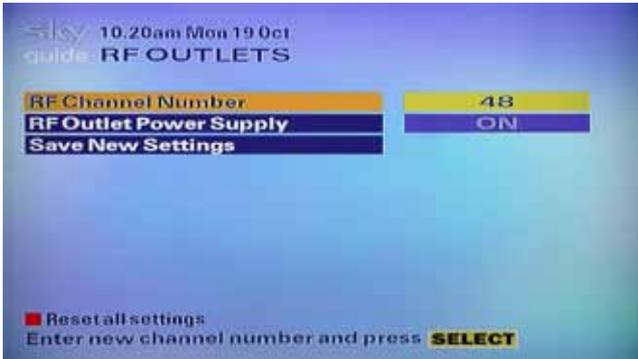
Sky Receiver Setup

To check/set the RF Outlet Power Supply (RF OUT – 2) to ON & to check/set the RF Channel Number.

To change settings in the Sky™ receiver, the Sky™ settings must be viewed on your main TV and the Sky™ receiver must be controlled directly from the Sky™ remote control and not via the TileVision.

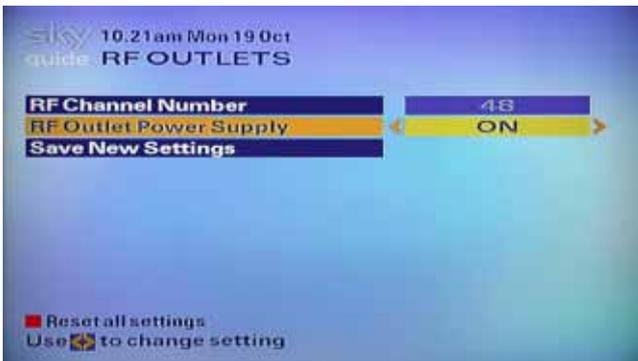
On the Sky™ remote control press the **SERVICES** button, to show the SERVICES menu. Press the **4** button for the SYSTEM SETUP menu.

Press the **0** button, then the **1** button, then the **SELECT** button, in sequence, to display the INSTALLER SETUP menu. Press the **4** button to select RF OUTLETS.

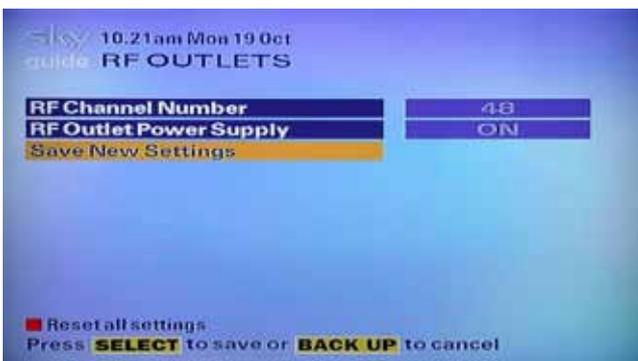


Note the RF Channel Number.

If the RF Channel Number needs to be changed, enter the new channel number and press **SELECT**. Ensure you Save New Settings (below).



Use the down arrow to select RF Outlet Power Supply. Use the left/right arrow to select the setting to ON.



When all settings are correct use the **down arrow** to select Save New Settings and press **SELECT** to save the new settings. Press the Sky™ button to return to the previously viewed channel.

Removing a TileVision® from a Wall

The TileVision® will only need to be removed from the back box in the wall if the Freeview or Sky™ digital box is going to be controlled via the infrared sensor on the TileVision®.

The only tools required to remove the TileVision® are a glass carrier/suction lifter and a utility knife. The use of a trowel is recommended when removing a mirrored surround.

Silicone sealant will be needed when sealing the TileVision® into the back box again after the installation of the new equipment has been completed.

It is assumed that the TileVision® has been installed as shown in the instructions supplied with the unit.

Isolate the TileVision® and disconnect the power supply from the mains.

The power supply should be isolated from the mains using the isolation switch.



Remove the mirrored surround (if fitted).

If the acrylic surround has been fastened to the wall using silicone sealant as recommended, then a clean trowel is the ideal tool to use to remove the surround from the wall.

Carefully ease the tip of the trowel into the silicone between the wall and the rear of the surround by applying light pressure and moving the handle from side-to-side. It is important to keep the surface of the trowel against the surface of the wall. Once the trowel is behind the surround (as shown left) keep it resting gently on the surface of the wall as you work it around the trim.

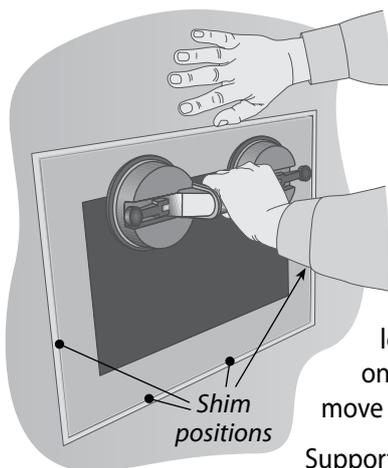
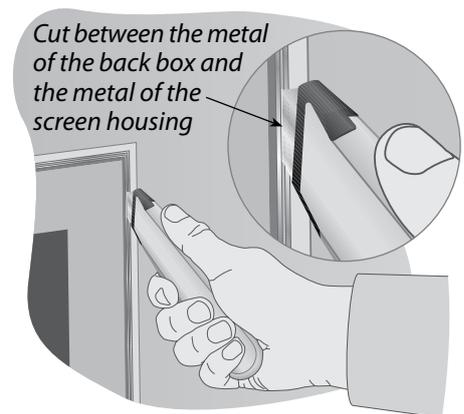
Do not try to peel the surround from the wall as it will crack if bent too far.

Cut through the silicone seal around the TileVision®.

Carefully cut the silicone seal between the metal of the screen's housing and the metal of the back box. Do not cut the silicone next to the screen.

Be careful not to cut into the silicone seal that is adjacent to the glass of the screen. This is sealed during manufacture and must not be disturbed.

Work the knife around all four edges of the TileVision® and remove as much silicone sealant as possible. Extra care should be taken when cutting next to the four shims which are bonded to the sides of the back box in the positions shown left. The shims should not be damaged or removed.



It may take more than one attempt to remove all of the sealant from the back box.

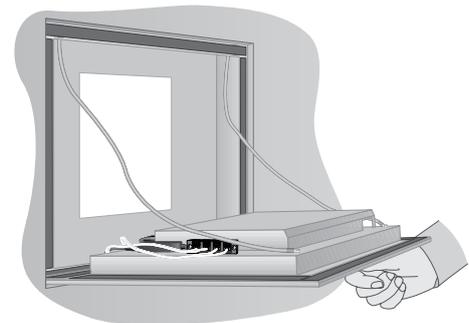
Remove the TileVision® from the back box.

Lock the suction lifter to the glass near to the top of the screen and using your other hand for leverage, pull the top of the TileVision® from the back box. Make sure that the lower edge of the unit remains resting on the lower edge of the back box as you move the top forwards.

Support the top edge of the screen and remove the suction lifter from the glass. **The earth cables are electrical connections and must not be used to support the weight of the TileVision®.**

Continue to support the TileVision® whilst making the connections as shown on page 6.

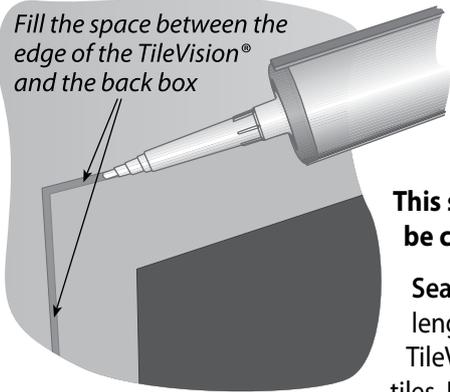
When the connections have been made the TileVision® can be pushed into the back box again whilst taking care that the RCS unit does not foul any cables or metalwork.



Sealing a TileVision® into the Back Box

When correct function has been confirmed, switch the TileVision® to standby and set the isolation switch to off.

Fill the space between the edge of the TileVision® and the back box

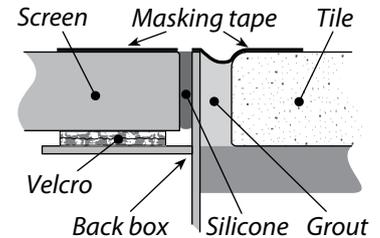


Press the TileVision® firmly into the back box and apply clear silicone sealant to the joint between the sides of the back box and the sides of the TileVision®. Ensure that the sealant is worked into the space evenly and is applied without any gaps, bubbles or voids. Wipe any excess sealant away and check for any imperfections. Rectify any errors as necessary.

This seal is essential for the reliable and safe operation of the TileVision® and must be completely waterproof.

Sealing Tip: To achieve a neat seal apply lengths of masking tape around the TileVision® glass screen and the surrounding tiles. Leave sufficient gap to apply the sealant around the joint between the sides of the back box and

TileVision®. Once the sealant has set and the masking tape removed the acrylic surround can be fitted as shown below.



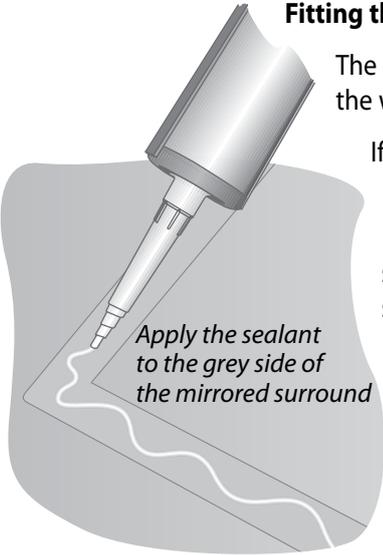
Fitting the mirrored acrylic surround.

The mirrored acrylic surround is a cosmetic addition and has no bearing on the integrity of the waterproof seal of the TileVision®.

If the surround is being fitted to the TileVision®, the same silicone sealant used to seal the screen into the back box can be used to fasten the surround to the wall.

Lay the surround on a flat surface and apply the sealant to the matt grey surface as shown. Once the sealant has been applied, align the surround with the TileVision® using a spirit level as a guide and press the surround firmly to the wall.

Apply the sealant to the grey side of the mirrored surround



Cleaning the TileVision®.

Once the silicone sealant has fully cured, typically 24 hours, the glass and acrylic surround can be cleaned using a soft damp cloth.

Under no circumstances use abrasive cleaners.



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