Radiant Australia Pty Ltd Unit 1 / 18 Profit Pass, Wangara, WA 6065
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INSTALLATION INSTRUCTIONS: VERTICAL SINGLE BARS

PLEASE READ THOROUGHLY BEFORE INSTALLATION.

The towel rail is designed for drying towels and is intended for use in residential and hotel bathrooms. The towel rail must be installed in accordance with local wiring regulations and it is recommended. that it is installed at least 300mm above floor level.

Electrical

- This product must be installed by a licensed electrician
- The 12v transformer must be positioned in a dry, accessible location
- The distance from the towel rail to the transformer should be less than 3m
- A means for disconnection must be incorporated into the fixed wiring in accordance with AZ/NZS 3000:2000
- The waterproof wirenut connectors provide an IPX7 rating
- The towel rail can be installed in wet area zones 1, 2 and 3 as specified in AZ/NZS 3000:2000

Wall preparation

Radiant towel rails can be fixed to any type of wall, timber stud or masonry. Stud walls require timber noggins at the correct position for the fixing bracket. Fixing to plasterboard or cement sheeting alone would require special fixings with a high load rating.

Pre wiring

Vertical rails should be wired at either the TOP or the BOTTOM – NOT BOTH. These rails are 12V and therefore should be wired through the transformer **included** with the rail.

Please be aware that when testing the electronic transformer it will only show an output WHEN CONNECTED TO A LOAD (I.E. THE TOWEL RAIL).

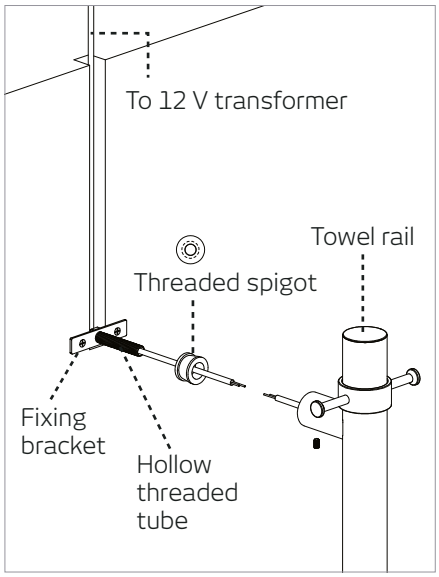
If testing when not connected to the rail you will not get an output voltage so do not assume the transformer is faulty.

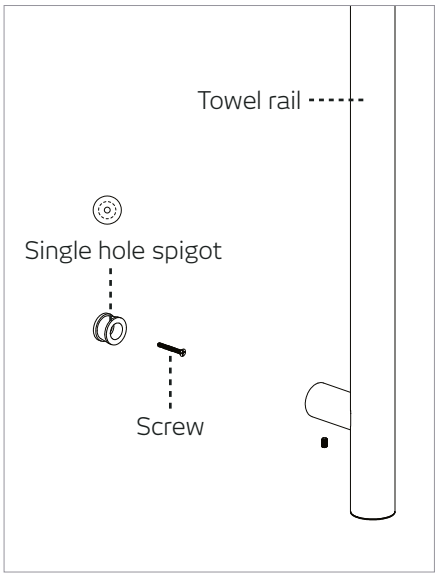
All vertical rails are supplied with the accessory kit shown.

PLEASE CHOOSE ONE OF THE FOLLOWING INSTALLATION METHODS:

Option 1

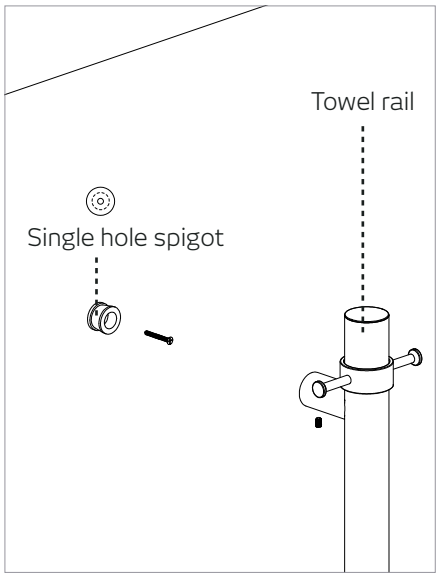
Use these parts for: standard behind wall/ behind tile installation (heated rail).

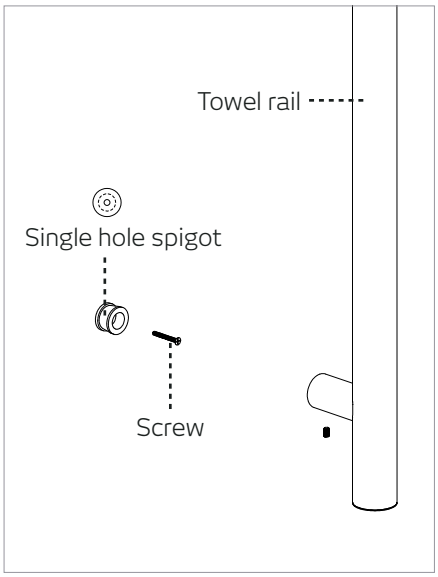




Option 2

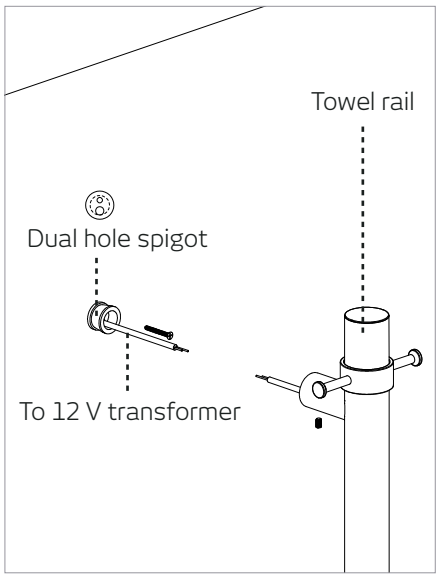
Use these parts for: installing the VTR non heated rail.

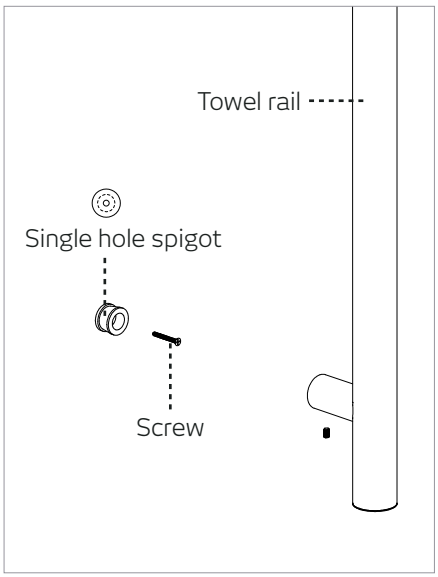




Option 3

Use these parts for: installing VTR heated rail but haven't installed the behind wall/tiles fixing (i.e. if you just have a small hole in the tiles with the wire coming through).*





* This method should be used as a LAST RESORT if behind wall/tile fixing has been missed.

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Stud walls

The fixing bracket should be attached to the noggins. Where multiple rails are being installed please ensure the brackets are all aligned horizontally as you cannot adjust the position once tiled. Once the spacing of the towel rails has been determined (we recommend 150-200mm centre to centre), screw the threaded tubes into the bracket at the desired positions. Secure the threaded rod in place, using the nut provided, behind the bracket. When the gyprock or sheeting is applied to the stud wall, corresponding holes should be drilled to allow the threaded tube to protrude through approximately 15mm beyond the finished wall surface.

Note: If the wall is being tiled, make allowance for the thickness of the tiles.

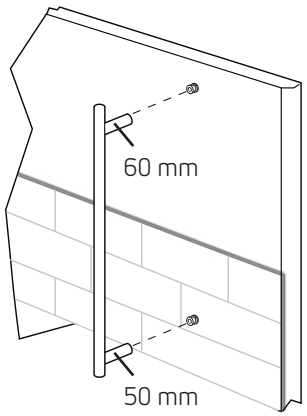
Masonry walls

Mark the position of each of the rails horizontally across the wall. We recommend that rails should be positioned 150-200mm centre to centre. Install the fixing bar using the fixing screws. Then using an angle grinder and masonry cutting disc you will need to create a 20mm vertical deep slot above each. Install a conduit into each slot (figure 3). Drill and plug the fixing holes and attach the bracket to the wall. THE BRACKET MUST BE HORIZONTAL AND THE THREADED TUBES MUST BE AT A 90° ANGLE TO THE WALL. The threaded tubes should protrude approximately 15mm from the **FINISHED** wall surface. Run the wiring through each threaded tube, into the conduit and to the transformer.

Note: If the wall is to be tiled, add thickness of the tiles and glue to how far the threaded tubes protrude through wall.

For half tiled walls

If installing a round bar **or** flat bar vertical rail onto a half tiled wall, you will need to additionally purchase an extended 60mm leg for the top of the rail. Please refer to website for product codes and prices.



Cover plates

In the unlikely (but unfortunate) event where the tiler makes a mistake at the electrical connection, cover plates are available in all colours, offering a simple low cost solution if removing tiles is not possible.