



Replacing the Avanti Hughes HN9260  
and HN9200 Transceiver (TRIA)

This step-by-step guide allows you to replace the double-cable transceiver (TRIA) on your Avanti satellite.

The double coaxial cable modem in the image is a HN9260.



Nb. Ensure that the modem is switched off at the mains before removing cabling.

## Step 1: removing modem cabling

- A. Remove the modem cabling by starting with the power cable. It is important to remove the equipment from the power source to prevent any damage that can occur in the hardware while you are changing either the modem, transceiver or cabling.
- B. The preferred order of removal of the cables is from the top to the bottom. When you are plugging in the replacement modem, the preferred order is from the bottom cable to the top.

## Step 2: changing transceiver (TRIA)

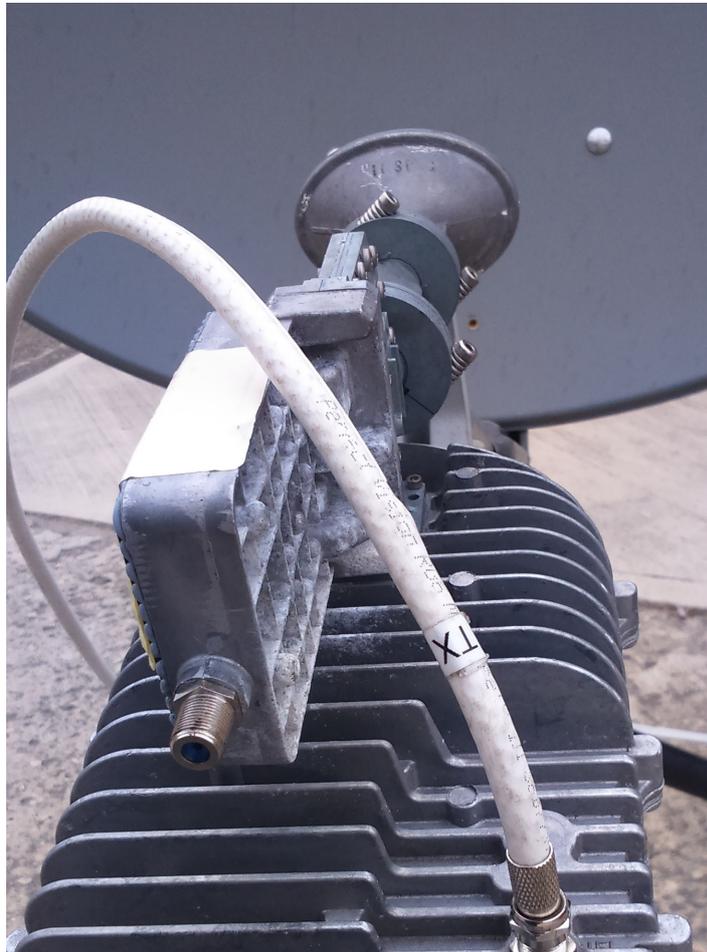
### Pre-removal

- A. Make sure to either remove the power cable from the modem or turn off the power source.
- B. Take great care to ensure you do not alter the alignment of your dish during the TRIA swap.
- C. Before removal make sure you have easy access to tools and replacement parts and ensure your position is safe and secure, especially if your dish is located on a roof or an elevated position.
- D. Make sure to replace any heat shrink or water-resistant duct tape that is wrapped around the connector (see below).

E. Essential tools for a TRIA swap are: screwdriver, knife, pliers and size-13 wrench.

F. Before you start to remove the cabling, we advise labelling the coax cables to distinguish the Rx and Tx cables for later identification.

Nb. In this image, the protective heat shrink tapes has been removed from the coax cable connectors.



### Step 3: changing transceiver (TRIA) Removal

- A. Unscrew the ground cabling and put the screw away for later use.
- B. With a small knife and pliers, remove the heat-shrink or waterproof tape from the connectors.
- C. Unscrew the two coax cables' connectors. Use your pliers if necessary.
- D. If not replacing cabling at this stage, leave the ground cable and coax cables for later use.
- E. When the TRIA has no more cabling attached, remove the main screws that holds it in place. Hold the TRIA with one hand when you are removing the last screw and put the screws away for later use.
- F. Slip the TRIA out in horizontal direction away from the dish and remove the plastic bases for later use.



## Step 4: replacing the TRIA

A. Place the replacement TRIA to fit the mounting point on the plastic Base 1. Every replacement TRIA has the bracket on the horn that fits into the first hole.



B. Once you have secured all 3 screws on the 3 mounting points, fix the labelled cables back into the respective sockets. Ensure you tape around the coax cable to protect it from the weather conditions.

C. Take great care to ensure you do not alter the alignment of your dish during the TRIA swap.

For further enquiries contact our Technical Support team:

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