



TRIAX

connecting the future



MOD103T HDMI to COFDM Modulator

300128

Setup and Troubleshooting

Basic Installation Notes



Output supplies 9VDC
turn this off if not connecting
straight to the digital link

RF IN - do not exceed
60dB there is a small
Amp in line

RF Out for Local TV
Warning both RF outputs launch
at 65dB by default and can be
turned up to 95dB

Compact Digital Link
370228





To get the legacy My Sky remote control to operate with the new Sky boxes it needs to be put into IR Mode 3

Hold down Setup and the 3 Button hold these down till you see the red light begin to flash - release and test.

Installing more than one MOD in a System

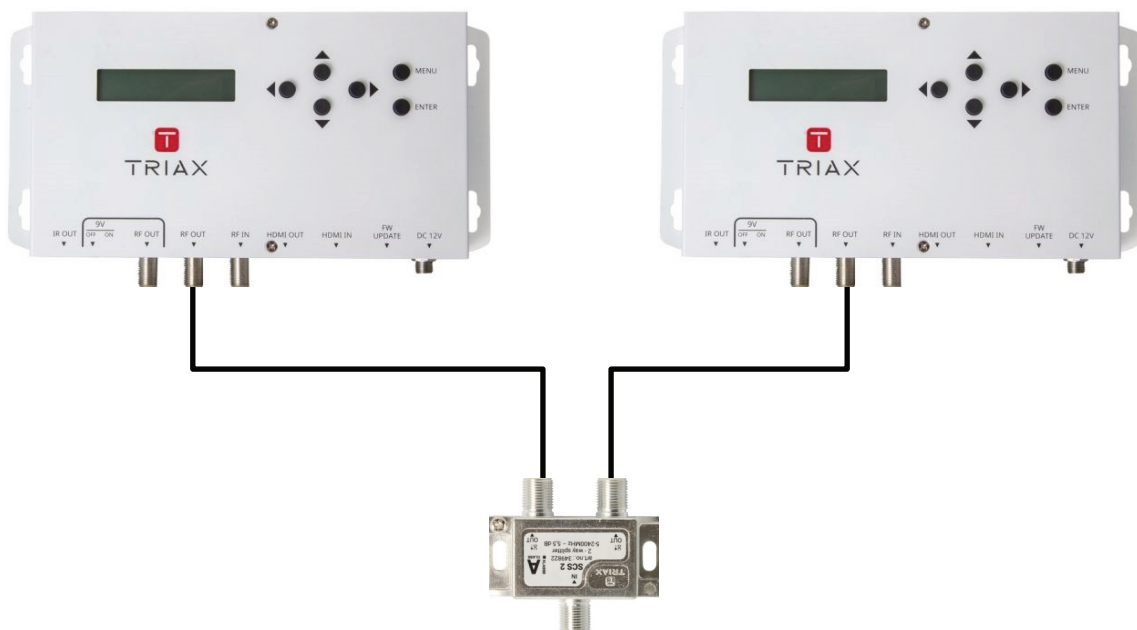
Some settings need to be changed to ensure correct display of channels on the TV.
Please locate and update the settings as outlined in the table below.
Channel Names can be set to your preference.

Setting	Mod 1	Mod 2	Mod 3	Mod 4
LCN	99	100	101	102
TSID	8350	8351	8352	8353
SID	256	257	258	259
CH	41	42	43	44

All Modulators ship with these default settings

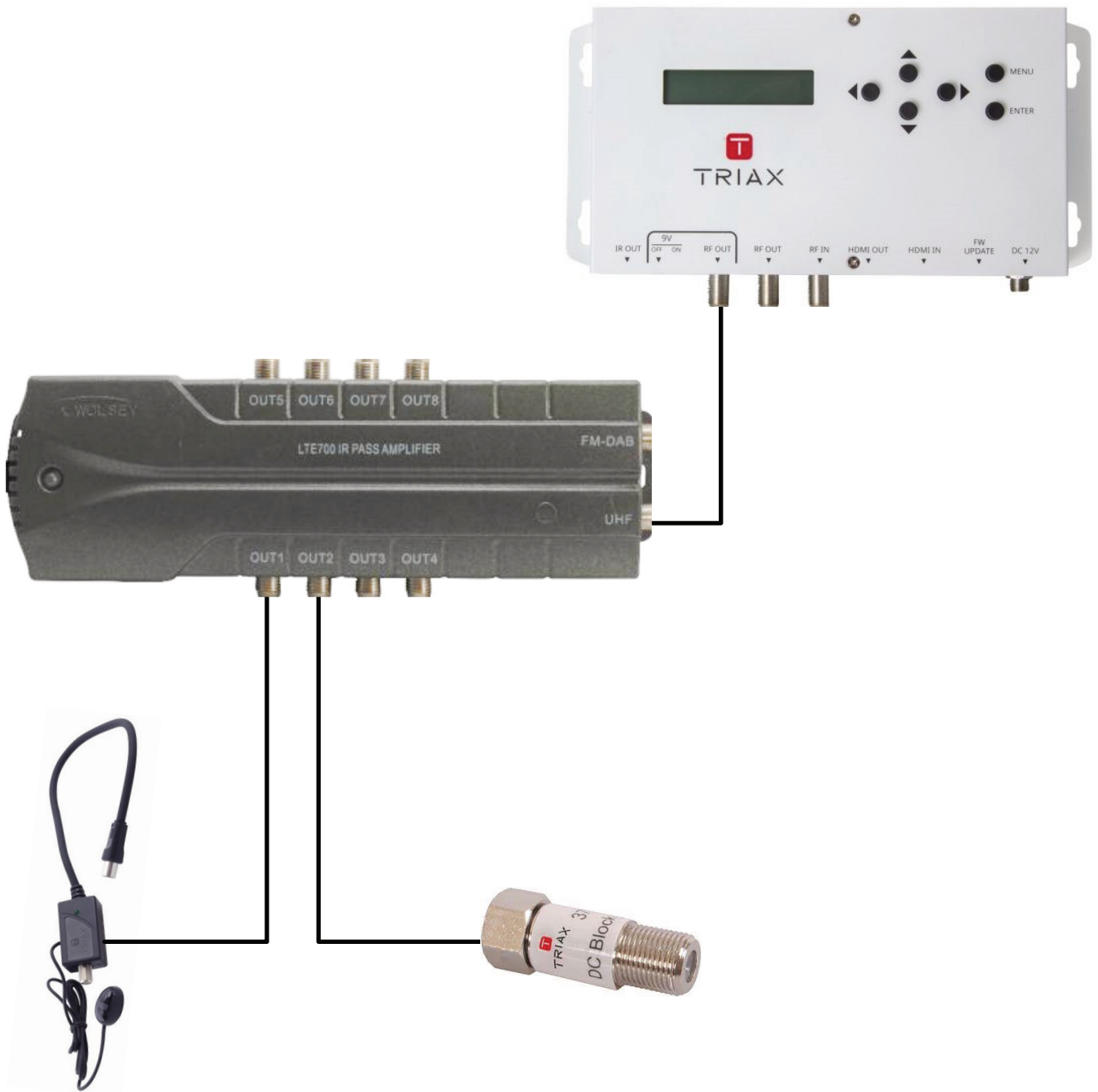


Do not daisy chain Modulators EVER!!



Combine them with a Splitter or Tap as required

Using IR-Pass Distribution Amps



As the distribution amp puts out 9VDC on every output, always use the Compact Digital Link or a DC Blocker between the Distribution amp and the TV.

Note: it is also important that no active antenna or antenna power is enabled in the TV or damage could occur.

Common Issues

Sound and or Image is distorting on the RF fed TV:

- Check the Signal levels at the TV.
 - Modulated channel level should sit between 50 - 60dB.
 - Check that other Terrestrial signals are with-in the same range.
 - Make sure there is no sign of LTE (4G) or FM signal overpowering things.
As a rule of thumb these should not exceed 10dB above the terrestrial levels.
- Set the Source device (IE Sky Box) on a static resolution.
Sometimes quick changes in the picture or improper resolution can degrade image quality

Modulator is showing No Input or No Signal:

- Check that the HDMI Cables are connected the right way around.
- Check that the source device is powered on - if off power on after the modulator
- Check that the source is operational by connecting direct to a TV via HDMI
- Set the Source device (IE Sky Box) on a static resolution. 720 or 1080.
- Check that the modulator is operating - try connecting a different source.

IR Control is not operating but you have pictures:

- If modulator to TV Coax link is direct, make sure the mod has the 9VDC enabled
- Check to see if the Digital link's have a green power light - If not plug the digital link directly into the modulator to check its getting power.
 - If no power there could be splitter blocking the path.
 - If no power there could be a poor connection or short on the cable.
 - If no power there could be a multi switch or other amp in the way.
- Check that the IR Receiver is facing the correct way on the TV.
- Check the IR emitter is sitting in the correct place on the source device.
- If one of the new white Sky boxes, these do not do IR a legacy My Sky remote set in mode three is required.

Multiple Modulators and only one tuning on TV:

- Check that the mods are not daisy chained and properly combined
- Remove any other Terrestrial signal while testing.
- Check that the modulators have been correctly configured along the lines
- of the table above. For TV tuning to work each modulator must have different
 - SID - Service IDs
 - TSID - Transport Stream IDs
 - LCN - Logical Channel Number
 - CH - Channel / Frequency
- If other terrestrial signals are also present IE Freeview, make sure modulators LCN numbers do not conflict

Occasionally a TV will require that you also change the (NID) Network ID for them to differentiate between services. Please rule out everything else first and make sure you never change the (ONID) Original Network ID or Private Descriptor.

Please never play with any of the Video or Audio PID settings or other modulator parameters.