

## OTx Fibre Transmitter

We recently launched the OTx Fibre Transmitter kit to the trade and we would like to draw your attention to some key facts to ensure proper operation.

1. The Global Invacom OTx unit has a hardware 5G filter on the DTT input and prevents frequencies above 694MHz from passing through. Presently Ofcom is broadcasting COM7 on 25 x SFN transmitters throughout the UK on Channel 55, which is above 700MHz and will not pass through the DTT input. The expected switch off date of the COM7 channel 55 transmitters is any time after the end of June 2022 (to be determined). Global Invacom have always recommended that the DTT signals are processed before connecting to the DTT input by filtering and levelling the required DTT muxes. There is 3<sup>rd</sup> party equipment available to do this filtering and levelling as well as frequency shift COM7 to a frequency below 694MHz. Please ensure you do not connect the DTT antenna directly to the DTT input of the OTx as you will have poor results.
2. The Wide Band LNB as supplied with the OTx is powered on the Vertical output only, please ensure if you are aligning the dish with the supplied LNB that you connect your field service meter to the Vertical cable. If however you need to use the Horizontal cable, connect the Vertical cable to the Vertical Input of the OTx and it will be powered (ensure the OTx PSU is connected and powered). A work around, if the OTx is not connected, is to use an alternative LNB and fit the Wide Band after the dish is aligned. Skew optimisation can be completed later.

### Key points:

- The OTx DTT Input has a hardware 5G Filter blocking frequencies above 694MHz
- Never connect the DTT Antenna directly to the OTx DTT Input
- Always filter and Level DTT signals before connecting to the OTx Input
- If COM7 required, use a frequency converter to shift below 694MHz
- The Wide Band LNB as supplied with the OTx can only be powered via the Vertical output