

DVB-T receiver with decoder



> XBT 704

XBT 704 is a DVB receiver with decoder functionality, specially designed for the switchover transition period.

It works in both analog and digital conditions (both RF and ASI Inputs).

In analogue condition: it receives an RF input signal and delivers it through its output connectors. It is a bypass for the RF analog signal, suitable for the pre-switchover phase.

In digital condition: it receives an RF digital input signal and decodes the contents. It extracts a program from the bouquet and delivers it into an ASI output signal. This ASI can be perfectly managed by a SDT Transmitter Series, which converts the ASI signal into an RF analogue output signal. This signal feeds a transposer.

Features: program recognising function.

Main Features

INPUTS

- DVB-T Compliant RF input
- Digital MPEG-2 TS compliant ASI input
- PAL RF (N connector)

OUTPUTS

- DVB-T Compliant RF output
- Digital MPEG-2 TS compliant ASI OUT
- Two channels (L/R) balanced analog audio output.
- Doubled SDI interface for digital video with embedded audio.

OUTPUTS FROM MULTIPLEXER ARE

- External GPS 10 MHz reference input
- Doubled ASI interface for TS bypass output
- X port connector for low level software interface
- Local User Interface with buttons pad and LCD display
- Digital MPEG-2 TS compliant ASI input
- Doubled analog CVBS video output
- S/P Dif digital audio output
- Events logging for board's history recording
- Remote upgrade of firmware and software

BYPASS STATUS (ON/OFF) SELECTABLE BY LOCAL OR REMOTE

- DVB-T compliant demodulator
- Input frequency range: B III / IV - V
- Channel bandwidth: 6 MHz, 7 MHz, 8 MHz
- 2K and 8K COFDM demodulator
- Modulation ways: QPSK, 16-QAM, 64-QAM
- FEC modes: 1/2, 2/3, 3/4, 5/6, 7/8
- Guard interval modes: 1/32, 1/16, 1/8, 1/4
- Fully automatic Transmission Parameters detection
- 1 ASI input interface
- 2 ASI output interface
- 1 SPI output interface
- RS232 interface
- Ethernet interface

