

DVB-T REPEATER

2-WAY RECEIVER AND TRANSMITTER

RPT-DVB-T



The DVB-T REPEATER is a compact and transportable solution to extend the range of a DVB-T link without the need of a coaxial cable. The RF frequency can be selected in the ISM band (2400 ÷ 2500 MHz). The 2-way diversity receiver allows to reach great performance even in case of mobile links. The rechargeable and easy-to-be-replaced battery allows to reach an autonomy between 5 and 7 hours.

TECHNICAL SPECIFICATIONS*

*specifications may be changed in accordance with the technical department

DEMODULATOR

RF input frequency	1 channel of 6 selectable in ISM band (2400 ÷ 2500 MHz)
Number of RF inputs	2 diversity mode
Video output	1 CVBS for monitoring opt. (MPEG-2 decoding)
Receive sensitivity	typ. -99 dBm
RF output frequency	1 channel of 6 selectable in ISM band (2400 ÷ 2500 MHz)
Minimum offset from receive channel	TBD
Numero of RF outputs	1
RF output level	typ. +20 dBm
Modulation	DVB-T COFDM compliant with ETSI EN 300 744
Channel bandwidth	6MHz, 7 MHz, 8 MHz
Carriers	2k mode, 8k mode
Constellation	QPSK, 16QAM, 64QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32

GENERAL

RF Contol	2 x rotary switch to select input and output channels
Status	Lock, Input signal strength, Battery level via LED indicators
Power supply	rechargeable and replaceable battery 12 ÷ 13.8 Vdc
Autonomy	5 ÷ 7 hours
Power consumption	20 W typ.
Operating temperature	-10 ÷ +45 °C
Storage temperature	-20 ÷ +80 °C
Storage realtive humidity	10% ÷ 80%
Dimensions	Rack 1U 28TE (172 × 45 × 214 mm)
Protection degree	IP30