

TG 500DR

UHF Dual Diversity Receiver



Front view



Rear view

FEATURES

- Intuitive, user-friendly menu structure
- Up to 40 MHz switching bandwidth
- Infrared interface for transmitting the settings from the receiver to the transmitter
- Backlit LC display
- Status display (battery, frequency, name)
- Scan function
- BNC antenna outputs
- XLR and jack output (balanced)
- Mixed audio output
- Antenna phantom power (8 V)
- Detachable BNC antennas
- Pilot tone function

VERSIONS

TG 500DR	Dual diversity receiver, 518 – 548 MHz	Order # 712.329
TG 500DR	same as above, but 606 – 636 MHz	Order # 712.337
TG 500DR	same as above, but 794 – 832 MHz	Order # 712.345
TG 500DR	same as above, but 925 – 937.5 MHz*	Order # 712.353
TG 500DR	same as above, but 1,785 – 1,805 MHz	Order # 712.361

*For South Korean market only!

DESCRIPTION

The heart of each beyerdynamic TG 500 wireless system is an attractively designed receiver with a robust metal housing and a clearly parameterised front panel. Intuitively operating elements in combination with a backlit LC display enable a particularly user-friendly menu navigation. The frequency response of the system is from 45 to 15 kHz. A balanced XLR output and a balanced jack output are provided as analogue audio port. If requested the two audio channels of the dual receiver can be output via a common output - due to the mixed output, there is no need for an external mixing console.

For those who require multiple channels, the TG 500 system offers the perfect solution with its dual receiver with 19" dimensions (1 U), as it is provided with an integrated power supply and antenna splitter. The dual receiver supplies the required antenna phantom power required when using remote antennas

SUPPLIED ACCESSORIES

- Power cable
- Quick start guide
- 2 x antennas
- Rack mount kit

TG 500DR

OPTIONAL ACCESSORIES

Antenna splitter / combiner

- WA-AS4 4-way antenna splitter for wireless systems with BNC connection, 8 V DC antenna supply, internal power supply, incl. connecting cables and DC outputs for a maximum of two TG 500SR 470 – 1810 MHz Order # 710.938
- WA-ZAPD1 Passive 2-way combiner with BNC connections, 470 – 790 MHz . . Order # 711.217

Antennas

- WA-ATDA Passive/active wideband directional antenna for wireless systems with BNC connection, 470 – 790 MHz Order # 711.004
- WA-ATDA 1G8 Active wideband directional antenna with integrated amplifier for wireless systems with BNC connection, optional voltage supply via WA-PSU 12/1 1400 – 1810 MHz Order # 727.881
- WA-ATO Wideband omnidirectional antenna for wireless systems with BNC connection, 470 – 790 MHz Order # 711.586

Cables

- WA-AC25 BNC antenna cable, length 25 metres, low-attenuation Aircell 7 cable . Order # 711.578
- WA-AC10 BNC antenna cable, length 10 metres, low-attenuation Aircell 7 cable . Order # 711.551
- WA-AC5 BNC antenna cable, length 5 metres, low-attenuation Aircell 7 cable . Order # 711.543
- WA-ADF Antenna front mounting adapter, 2 BNC adapters female/female, WA-CKL60 required for use . . . Order # 712.795
- WA-CKL60 Connection cable set with 2 RG 58 connecting cables, 60 cm long, for cascading or antenna front mounting Order # 712.809

Amplifier

- WA-AMP2 Wideband antenna amplifier for wireless systems with BNC connection switchable amplification of 5 dB / 10 dB / 15 dB, 470 – 1,000 MHz Order # 712.035

TECHNICAL SPECIFICATIONS

System

- Frequency range 518 – 548 MHz
606 – 636 MHz
794 – 832 MHz
925 – 937.5 MHz*
1,785 – 1,805 MHz
- Transmission range up to 120 m (line of sight)
- Number of the simultaneously active channels 18 per frequency band
- Audio frequency response 45 – 15 kHz
- Audio dynamic range 106 dB (A-weighted)
- Operating principle Analogue wireless microphone system with diversity receiver

Two-channel receiver

- Output level max. +3 dBV / +5 dBu
- Display 2 x LCD, white backlit
- Mains connection 100 – 240 V AC with integrated power supply
- Power consumption 11 W (typ.)
- Ambient temperature 0 to +55 °C
- Weight 2100 g
- Dimensions 400 x 175 x 42 mm
- Antenna connection 2 x BNC input
- Antenna powering 8 V DC/150 mA

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