

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 1,780 – 1,810 MHz	Order # 712.361

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 adapter
- Quick start guide
- 2 x antennas
- Rack mount kit

TG 500DR

OPTIONAL ACCESSORIES

Antenna splitter/combiner

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-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-CKF Connecting cables to mount the antennas on the front, for TG 500 series Order # 711.527

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
1,780 – 1,810 MHz

Transmission range up to 120 m
(line of sight)

Number of the simultaneously active channels 16 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