

TG 100 Backpack Set

Set with VHF Diversity Receiver and Backpack Transmitter



TG 100R diversity receiver – front view

TG 100R diversity receiver – rear view



TG 100B backpack transmitter

FEATURES

TG 100R VHF Diversity Receiver

- Permanently attached telescopic antennae
- 8 switchable channels
- “SoundSwitch” for optimal audio quality without using additional high-end devices
- Power adapter 12 V DC

Front View

- Channel selector switch
- Volume control for audio output
- LEDs to display RF connection, battery state, audio signal, clipping, operation

Rear View

- Audio output, 3-pin XLR / 1/4" jack (6.35 mm)
- “SoundSwitch” change-over switch for vocals/guitar or speech
- Integrated strain relief for power cable
- 12 V DC connection for power adapter

TG 100B Backpack Transmitter

- Plastic housing
- LEDs to display operation and peaks
- Channel selector switch (8 channels)
- Selectable gain in three stages
- 4-pin mini XLR male connector for microphones or instruments
- Permanently attached antenna
- Detachable belt clip
- Powered by 2 AA batteries

APPLICATIONS

The wireless TG 100 Backpack Set includes the TG 100R diversity receiver and the TG 100B backpack transmitter. It is ideal for applications on stage such as moderations, presentations or in houses of worship. The set is easy to operate and therefore also useful for inexperienced users.

TG 100R VHF Diversity Receiver

The channel selector switch on the front of the receiver allows selecting one of eight channels. Three LEDs display an RF connection, the battery state of the transmitter, an occupied or vacant channel, an audio signal, clipping and the operating state of the device by different colours and modes.

The telescopic antennae are permanently attached to the front of the receiver. A weighting circuit ensures that an antenna is selected that supplies the better signal.

The level of the audio output is adapted to the input level of the amplifier or mixing console by using the volume control.

The receiver is powered by a 12 V DC power adapter.

TG 100B Backpack Transmitter

The 4-pin mini XLR male connector allows connecting microphones or instruments. The input signal can be adjusted to an optimal level with the gain switch in the battery compartment. Inside the battery compartment there is also a channel selector switch.

Furthermore, the TG 100B is provided with a silent on-off button and LEDs to display operation and peaks.

The backpack transmitter is powered by two 1.5 V AA alkaline batteries, which allow an operating time of approx. 8 hours.

The cover of the battery compartment is provided with two magnets which ensure a secure fastening.

TG 100 Beltpack Set

VERSIONS

TG 100 Beltpack Set consisting of:
 TG 100R diversity receiver
 and TG 100B beltpack transmitter,
 band 1,
 174 - 184 MHz Order # 706.329
 same as above, but band 2,
 194 - 204 MHz Order # 706.337
 same as above, but band 3,
 213 - 223 MHz Order # 706.345

SUPPLIED ACCESSORIES

TG 100R diversity receiver with power adapter
 TG 100B beltpack transmitter with TG H34c headset
 Two alkaline batteries, AA, 1.5 V for the TG 100B beltpack transmitter

OPTIONAL ACCESSORIES

Microphones

TG L55c Miniature condenser clip-on microphone, omnidirectional, water-resistant, with 4-pin mini XLR connector, black Order # 707.201
 TG L55c tan same as above, but beige. Order # 707.228
 TG H54c Condenser headset microphone, cardioid, black, with 4-pin mini XLR connector Order # 707.058
 TG H54c tan same as above, but beige. Order # 707.066
 TG H55c Condenser headset microphone, omnidirectional, black, with 4-pin mini XLR connector. Order # 707.074
 TG H55c tan same as above, but beige. Order # 707.082
 TG H74c Neckworn microphone, condenser, cardioid, 4-pin mini XLR connector, black Order # 707.090
 TG H74c tan same as above, but beige. Order # 707.104
 TG H75c Neckworn microphone, condenser, omnidirectional, water-resistant, 4-pin mini XLR connector, black. Order # 707.112
 TG H75c tan same as above, but beige. Order # 707.120

Cable

WA-CGI Connecting cable to connect instruments, with a mono 1/4" jack plug Order # 711.608

TECHNICAL SPECIFICATIONS

TG 100R VHF Diversity Receiver

Operating principle Diversity Receiver
 Frequency range Band 1 = 174 - 184 MHz,
 Band 2 = 194 - 204 MHz
 Band 3 = 213 - 223 MHz
 Frequency response 100 Hz - 16 kHz
 Dynamic range. 112 dB
 Output level. max. 0 dBV (XLR and jack output)
 Mains connection 100 V - 240 V AC;
 12V DC power supply unit
 Power consumption. 150 mA
 Ambient temperature 0 to +55 °C
 Weight. 250 g
 Dimensions 143 x 100 x 41 mm
 Antenna connection 2 x telescopic, permanently attached antennae

TG 100B Beltpack Transmitter

Frequency range Band 1 = 174 - 184 MHz,
 Band 2 = 194 - 204 MHz
 Band 3 = 213 - 223 MHz
 Frequency response 100 Hz - 16 kHz
 Transmitter power < 10 mW erp
 Dynamic range. 110 dB
 Transmission range. up to 100 metres under optimal conditions
 Operating time approx. 8 hrs.
 (NiMH 2100 mAh)
 Input level max. 1.2 V rms
 Weight. 102 g without batteries
 Dimensions 94x59x26 mm
 Pin assignment of 4-pin connector Pin 1 = ground, Pin 2 = IN1,
 Pin 3 = IN2, Pin 4 = +5 V

Pin assignment headset

