

Product specifications – TOM-Audio TG-200 for reportage for the blind



Usage in
the stadium



Receiver



At a glance:

- ✓ Transmission system for audio description
- ✓ especially compiled for visually impaired listeners
- ✓ Inclusive: Reception throughout the stadium
- ✓ Fan radio: Signal can be transmitted to PC
- ✓ Compact – transported in two carrying bags
- ✓ Eligible through Aktion Mensch e.V.
- ✓ Extremely small, light and robust
- ✓ Range: 400 meters

Good to know:
Special frequencies mean trouble-free transmission.

How do I use the TOM-Audio TG-200 for audio reporting?

This set of TOM-Audio TG-200 has been specially designed for audio reporting and is used wherever nationwide coverage is required. The signal is distributed over the stationary transmitter across the entire reception area – the range is 400 meters. This lets each listener choose their desired spot.

The reporters control the volume and levels of the system using the mixer, as well as the professional reporter headsets. These cover both ears and effectively block environmental noise. Through the headphone amplifier, the reporters can hear each other and adjust the volume of their headphones.

Each visitor wears a receiver with a neck strap and headphones. In this way, listeners can follow the action relayed by the commentators and enjoy the atmosphere at the same time.

Audio reporters:



Mixing console for controlling the system

+



Headphone amplifier for controlling the volume of the reporters' voices

+



TOM-Audio TG-200 ST distributes the signal throughout the stadium

+



Professional reporter head sets

Visitors



+



Device for receiving
the audio description

Headphones

Transport and storage:

The complete set is transported and stored in two carrying bags. The bag for the receiver also has built-in charging technology, allowing the battery to be recharged.

Carrying bag for the audio reporting devices



Charging and transport bags for the visitor's devices



Specifications

TOM-Audio TG-200 ST

Carrier frequency range	HF 500 - 952 MHz
RF range (open field)	400 m
Signal to Noise	> 50dB
Modulation	GFSK
Audio sampling	8KHz 16-bit
Latency	20mS
Dynamic range	> 80dB
THD at 1KHz	<1%
Operating temperature	-10 ~ 50' C
RF output power	Hi: 10mW; Mid: 5mW; Lo: 2.5mW
AF input with level switch	2, Combo XLR & 6.3mm jack; electro. Balanced; Aux -10dBV, Line +4dBu
Loop output	2, 6.3 mm jack
Headphone output	3.5 mm jack
Screen	OLED
Antenna Jack	BNC type
Power	DC 15V / 1.6A
Dimension (WxDxH)	215 x 190 x 44 mm
Weight	516 g

Receiver TOM-Audio TG-200R

Sensitivity	-88 dBm
Audio output	3,5 mm jack
Power supply	Li-Polymer-Akku (3,7 V / 600 mAh)
Operating time	approx. 40 h
Recharging time	approx. 6 h
Antenna	integriert
w/o antenna (HxWxD)	82 x 40 x 12
Weight	approx. 48 g
Housing color	bronze

Reporter head sets

Weight	240 g
Color	black
Receiver	circumaural
Rated impedanz	80 Ohm
Frequency response	10 - 30.000 Hz
Sound pressure	100 dB
Microphon directivity	condenser microphone kidney
Frequency response	40 - 20.000 Hz
Rated impedanz	300 Ohm
phantom power	12 - 48V necessary

Headphone amplifier

1 Input	6,3 mm Stereo jack
Input - Impedanz	100 kOhm
4 Output	6,3 mm Stereo jack
Output - Impedanz	80 Ohm
Dimensions in mm	103 x 47 x 57
Power adaptor	12 V

Mixing console

Audio-output	2 microphone inputs; 2 Stereo Line 1 Aux Weg (post)
In - and output	2 Track, Cinch + USB Audio Interface
Dimensions in mm	195 x 248 x 50
Weight	1,1 kg

Transportation and charging bag TC-35

Dimensions in mm (HxWxD)	270 x 460 x 180
Weight (filled)	ca. 6 kg
Charging cradles	35
Power adaptor	110 - 230 V

Warnings:



- The device may only be opened by the manufacturer. Incorrect handling can cause the Li-Po battery to explode!
- Old and/or defective devices must be disposed of separately from household waste!
- The internal batteries must only be charged using the specially designed charging systems (CS25 / CS56) (limited SELV source, 5V / 700 mA per single device).
- The devices should only be used in a dry environment and must be protected from moisture!