

TG 500

PROFESSIONAL
WIRELESS SYSTEM



GREAT
PERFORMER

TG 500 WIRELESS SYSTEM

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With its five sets, the wireless system TG 500 is an all-rounder. Whether for performances on smaller stages, theater productions or speeches, the various sets always ensure perfect performance. While the vocal set with the dynamic TG V50 handheld transmitter is ideally suited for singing, the vocal set with the TG V56 condenser handheld transmitter offers an ideal solution for presentations. An unobtrusive positioning of the microphone in lectures makes the TG L58 lavalier microphone in the

presenter set possible. The perfect companion for theater productions is the headworn set with the TG H34 headset microphone. The instrument set with included WA-CGI instrumental cable is ideal for professional miking of guitar and bass. With the included rack mount kit, the 9.5" single receiver can be easily installed in a rack and also offers the possibility to mount two receivers in one rack unit. For all users who want to use multiple channels, a dual receiver with integrated antenna splitter is available.



License Free

The wireless system TG 500 can be used almost worldwide without a license.



Up to 40 MHz Switching Bandwidth

Due to the enormous bandwidth of up to 40 MHz and a wide range of frequency bands, the wireless system is usable everywhere on the world.



Also suitable for larger installations

Four available band variants enable the use of up to 72 channels simultaneously.



Mixed Output

For a combination of the two audio channels of the dual-receiver to a physical output no additional mixing is necessary thanks to mixed output.



Robust Housing

The robust metal housing of the receiver protects against damage during use.



Great Design

Particularly pleasant to use is the high-quality haptics of the transmitters and the receiver. Likewise, the system shines in a simple, appealing design.

Receiver



TG 500SR Single Receiver



TG 500DR Dual Receiver

Handheld transmitter



TG 500H-D
Handheld transmitter
with dynamic TG V50
capsule



TG 500H-C
Handheld transmitter
with TG V56 condenser
capsule

Beltpack transmitter



TG 500B
Beltpack
transmitter



120 m Range

With a range of up to 120 meters, TG 500 offers much more freedom than similar systems.



10 h Battery Operation

With a battery operation of 10 hours there is no need for concern regarding extensive encores or longer events.



Intuitive Operating Elements

Intuitive operating elements provide a user-friendly menu navigation.



Pilot Tone Function

The pilot tone prevents noise and assures user-friendly handling. The TG 500 wireless system uses the pilot tone to identify a correct signal for improved interference-free transmission and to transmit a low battery warning as well as the audio mute information to the receiver.



Infrared Synchronisation

The settings of the transmitter can easily be done at the receiver and are quickly transferred by infrared synchronisation to the transmitter.



Antenna Diversity

Even in a complex environment, the antenna diversity ensures best signal reception and avoids unpredictable interruptions.



Antenna Phantom Power

The phantom power of the dual receiver allows easy use of active remote antennas.



No battery change required

The handheld and beltpack transmitters can be operated with standard NiMH batteries and charged with the optionally available charger (WA-CD).

Touring Gear Microphones for TG 500 Beltpack transmitter



TG L58
Mini condenser lavalier microphone, with 4-pin mini-XLR connector, available in black and tan.

Transducer type	Condenser
Polar pattern	Omnidirectional



TG H56
Condenser neckworn microphone, with 4-pin mini-XLR connector, available in black and tan.

Transducer type	Condenser
Polar pattern	Omnidirectional



TG H57
Condenser earhook microphone, with 4-pin mini-XLR connector, available in tan.

Transducer type	Condenser
Polar pattern	Omnidirectional



TG H74
Condenser neckworn microphone, with 4-pin mini-XLR connector, available in black and tan.

Transducer type	Condenser
Polar pattern	Supercardioid



TG I56
Condenser microphone for accordions and styrian harmonicas, with 4-pin mini-XLR connector, available in black.

Transducer type	Condenser
Polar pattern	Cardioid



TG I57
Condenser clip-on microphone for wind instruments, with 4-pin mini-XLR connector, available in black.

Transducer type	Condenser
Polar pattern	Cardioid



TG I58 Helix
Condenser microphone for instruments, with helix clamp, with 4-pin mini-XLR connector, available in black.

Transducer type	Condenser
Polar pattern	Omnidirectional

TG 550 Vocal Set



Content

- TG 500SR (Single Receiver)
- TG 500H-D (Handheld transmitter with dynamic TG V50 capsule)
- Microphone clamp
- Antennas
- Batteries
- Power supply
- Rack mount kit





TG 510 Instrument Set



Content

- TG 500SR (Single Receiver)
- Instrumental cable WA-CGI
- TG 500B (Beltpack transmitter)
- Antennas
- Batteries
- Power supply
- Rack mount kit

TG 556 Vocal Set



Content

- TG 500SR (Single Receiver)
- TG 500H-C (Handheld transmitter with condenser capsule TG V56)
- Microphone clamp
- Antennas
- Batteries
- Power supply
- Rack mount kit



TG 534 Headworn Set

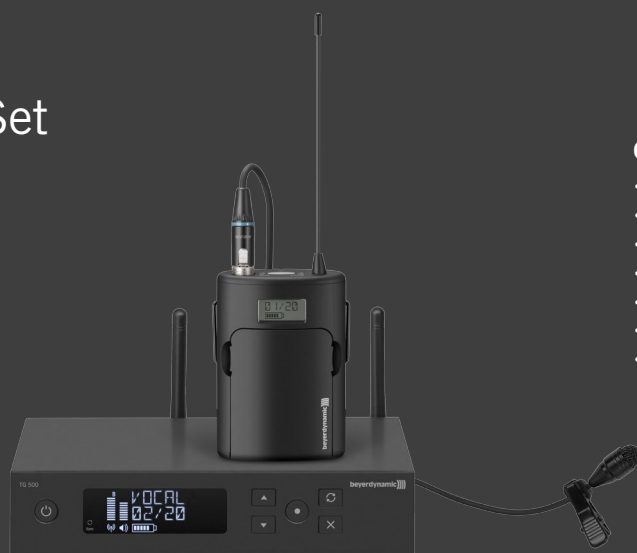


Content

- TG 500SR (Single Receiver)
- Neckworn microphone TG H34
- TG 500B (Beltpack transmitter)
- Antennas
- Batteries
- Power supply
- Rack mount kit



TG 558 Presenter Set



Content

- TG 500SR (Single Receiver)
- Lavalier microphone TG L58
- TG 500B (Beltpack transmitter)
- Antennas
- Batteries
- Power supply
- Rack mount kit



The professional accessories



WA-CD

The handheld / beltpack transmitter can be recharged within a very short time by using the charger, which is available as an accessory.



Charger with 4 compartments

Up to 2 handheld / beltpack transmitters or 2 handheld transmitters and 4 standard AA rechargeable batteries can be charged simultaneously.



LED display

Simple monitoring of the current charging status due to multicoloured lights.



Network compatibility

Simple control and integration into an existing media control system.



WA-ATO

Passive omnidirectional wideband antenna, BNC, 470 - 1000 MHz



WA-ATDA

Passive / active logarithmic periodic directional antenna for the UHF range, BNC / TNC connector, 470 - 1000 MHz



WA-ATDA 1G8

Active wideband antenna, BNC connector, 1400 - 1810 MHz



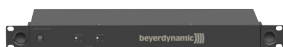
WA-ZAPD1

Passive two-way Combiner, 470 - 1000 MHz, used for multi-antenna systems



WA-MS

Marker set



WA-AS4

4-way wideband antenna splitter, BNC connector, 470 - 1810 MHz



WA-AMP 2

Wideband antenna amplifier, 5 dB / 10 dB / 15 dB switchable gain, 470 - 1000 MHz



WA-AC5 / WA-AC10 / WA-AC25

BNC antenna cable, low attenuation, Aircell 7 cable, available in 5 m, 10 m and 25 m



MS-50

Antenna mounting set, 3/8" thread, incl. 5/8" adapter



WA-CKL60

Loop through cable kit for TG 500 receivers



WA-ADF

Rear to front adapter



WA-CGI

Instrument cable with 1/4" jack (Neutrik) / 4-pin mini-XLR



WA-MC

Microphone cable to connect wired microphones with 3-pin XLR

Technical specifications

TG 500 Wireless System

Frequency ranges	518 - 548 MHz
	606 - 636 MHz
	794 - 832 MHz
	1785 - 1805 MHz
Transmission range	up to 120 meters (line of sight)
Compatible frequencies per range	up to 18
Frequency response	45 - 15 kHz
Dynamic range	105 dB (A-weighted)

TG 500SR Single Receiver

Audio output level	max. +7 dBu
Display	Backlight LCD
Power supply	100 - 240 V AC external power supply
Power consumption	3 W (typ.)
Ambient temperature	0 up to + 55 °C
Weight	960 g
Dimensions	200 x 175 x 42 mm
Antenna connection	2x BNC input

TG 500DR Dual Receiver

Audio output level	max. +7 dBu
Display	Backlight LCD
Power supply	100 - 240 V AC internal power supply
Power consumption	11 W (typ.)
Ambient temperature	0 up to + 55 °C
Weight	2100 g
Dimensions	400 x 175 x 42 mm
Antenna connection	2x BNC input
Antenna remote power supply	8 V DC / 150 mA

TG 500 Handheld transmitter

Display	LCD
Power supply	2x AA NiMH or Alkaline battery
Operating time	approx. 10 h
Ambient temperature	0 up to + 55 °C
Transmitting power	10 mW / 50 mW
Weight	TG 500H-C 180 g, without batteries
	TG 500H-D 230 g, without batteries
Dimensions	Length incl. mic capsule TG TG 500H-C 263 mm / ø 36 mm TG 500H-D 260 mm / ø 36 mm

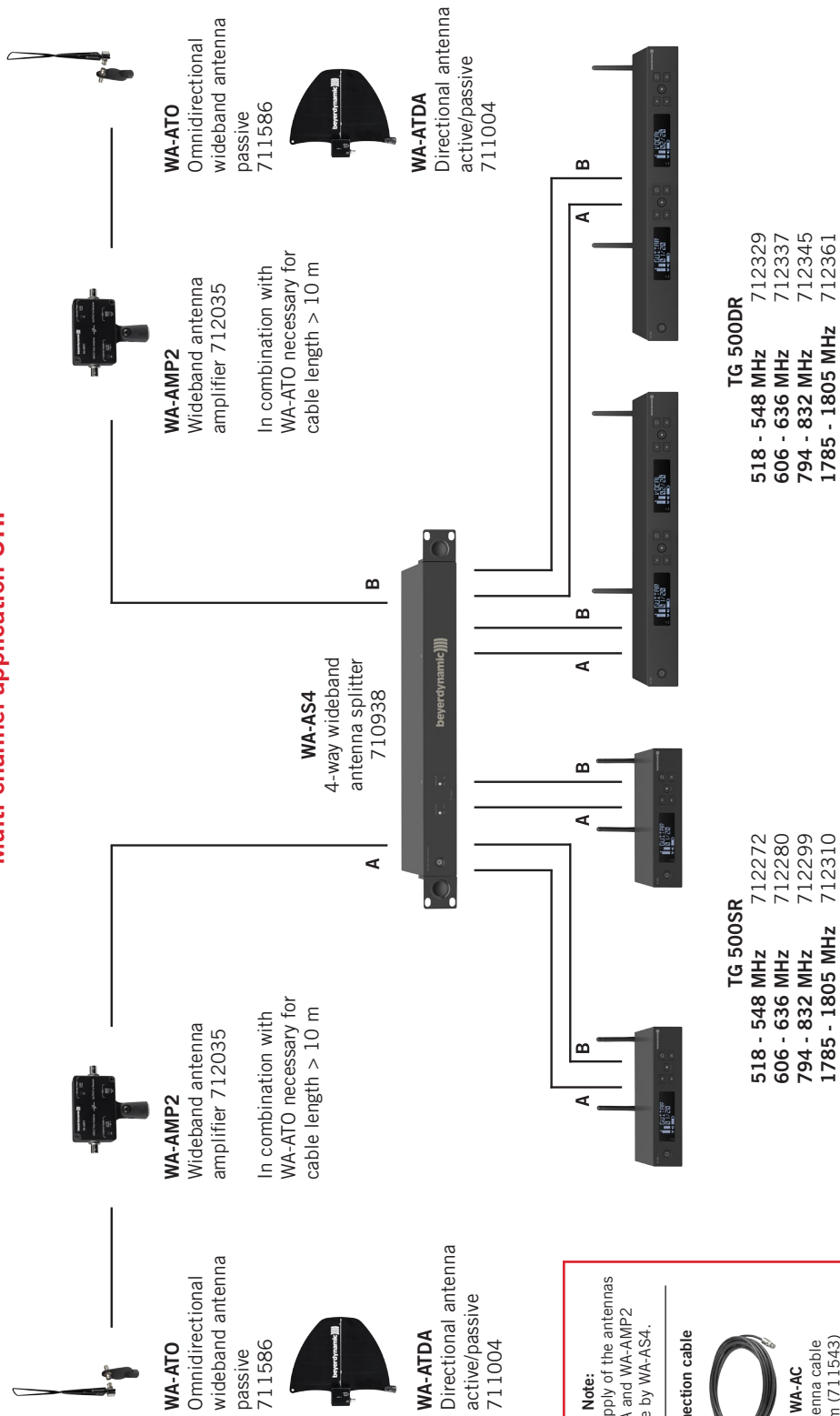
TG 500B Beltpack transmitter

Display	LCD
Power supply	2x AA NiMH or Alkaline battery
Operating time	approx. 10 h
Ambient temperature	0 up to + 55 °C
Transmitting power	10 mW / 50 mW
Weight	85 g (without batteries)
Dimensions	90 x 59 x 26 mm (integral antenna not considered)



TG 500 SYSTEM DESIGN

Multi-channel application UHF



Note:
The power supply of the antennas WA-ATDA and WA-AMP2 is done by WA-AS4.

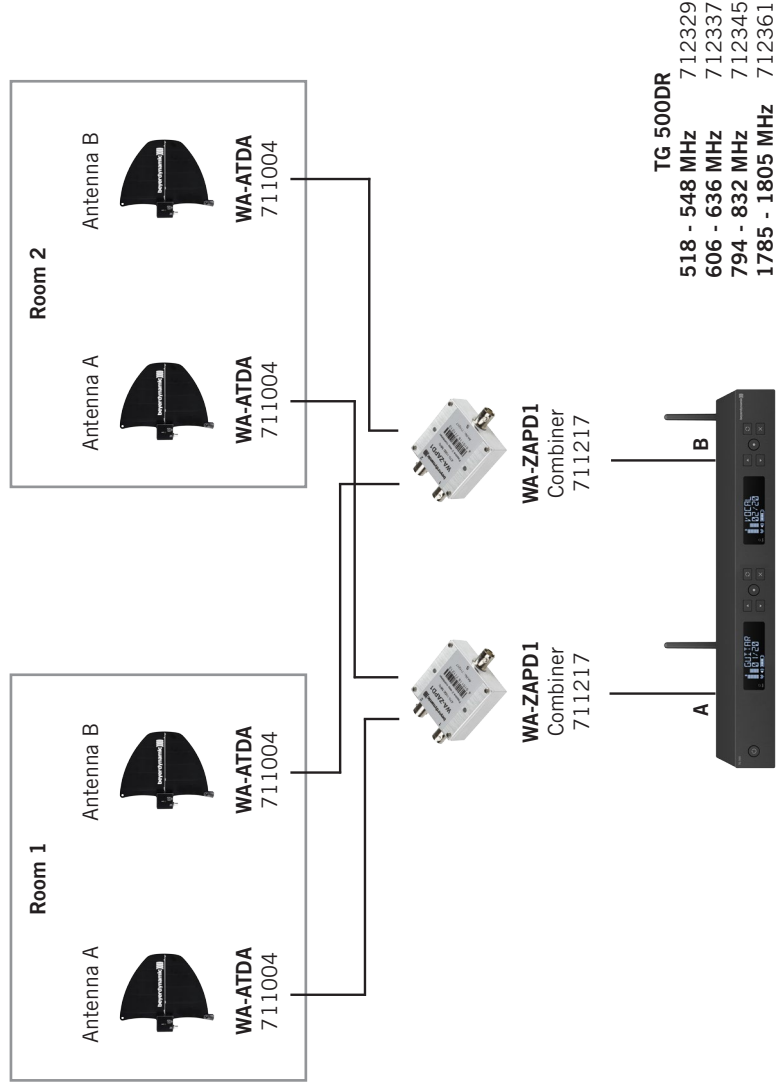
Connection cable



WA-AC
Antenna cable
5 m (711543)
10 m (711551)
25 m (711578)

TG 500 SYSTEM DESIGN

Multi antenna application UHF



Note:

The power supply of the antenna WA-ATDA is done by TG 500DR.

Connection cable



WA-AC


Antenna cable
5 m (711543)
10 m (711551)
25 m (711578)

TG 500 SYSTEM DESIGN

Multi-Channel application 16 - 32 Channels

Note:
The power supply of the antenna WA-ATDA is done by WA-AS4.

Connection cable



WA-AC
Antenna cable
5 m (711543)
10 m (711551)
25 m (711578)

16 CH (Single Receiver)
32 CH (Dual Receiver)

Antenna A



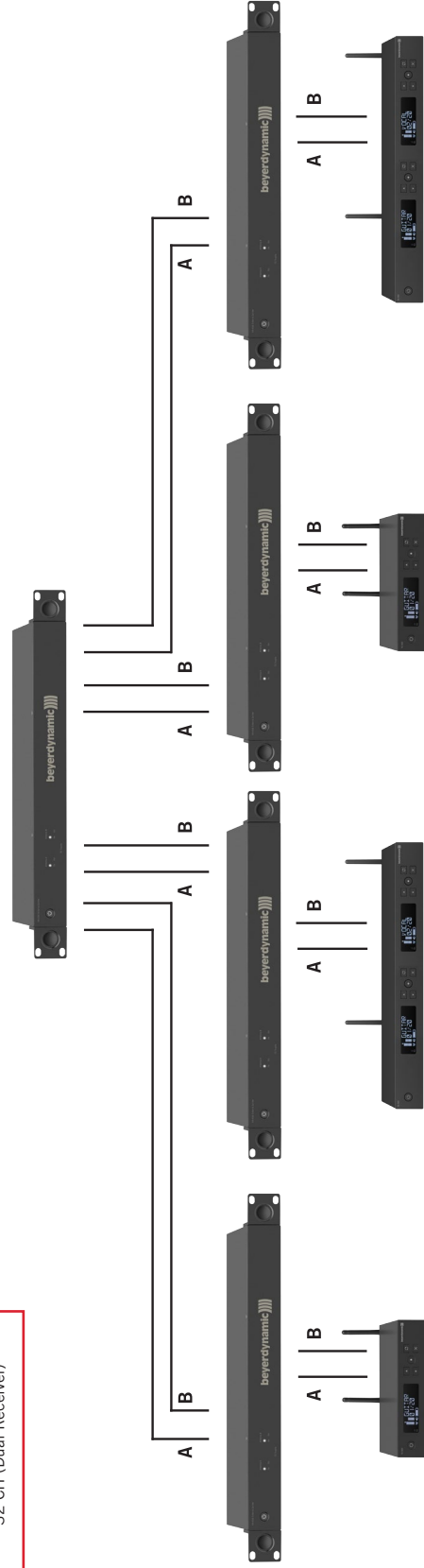
WA-ATDA
711004

Antenna B



WA-ATDA
711004

WA-AS4
4-way wideband
antenna splitter
710938



3 more TG 500SR possible

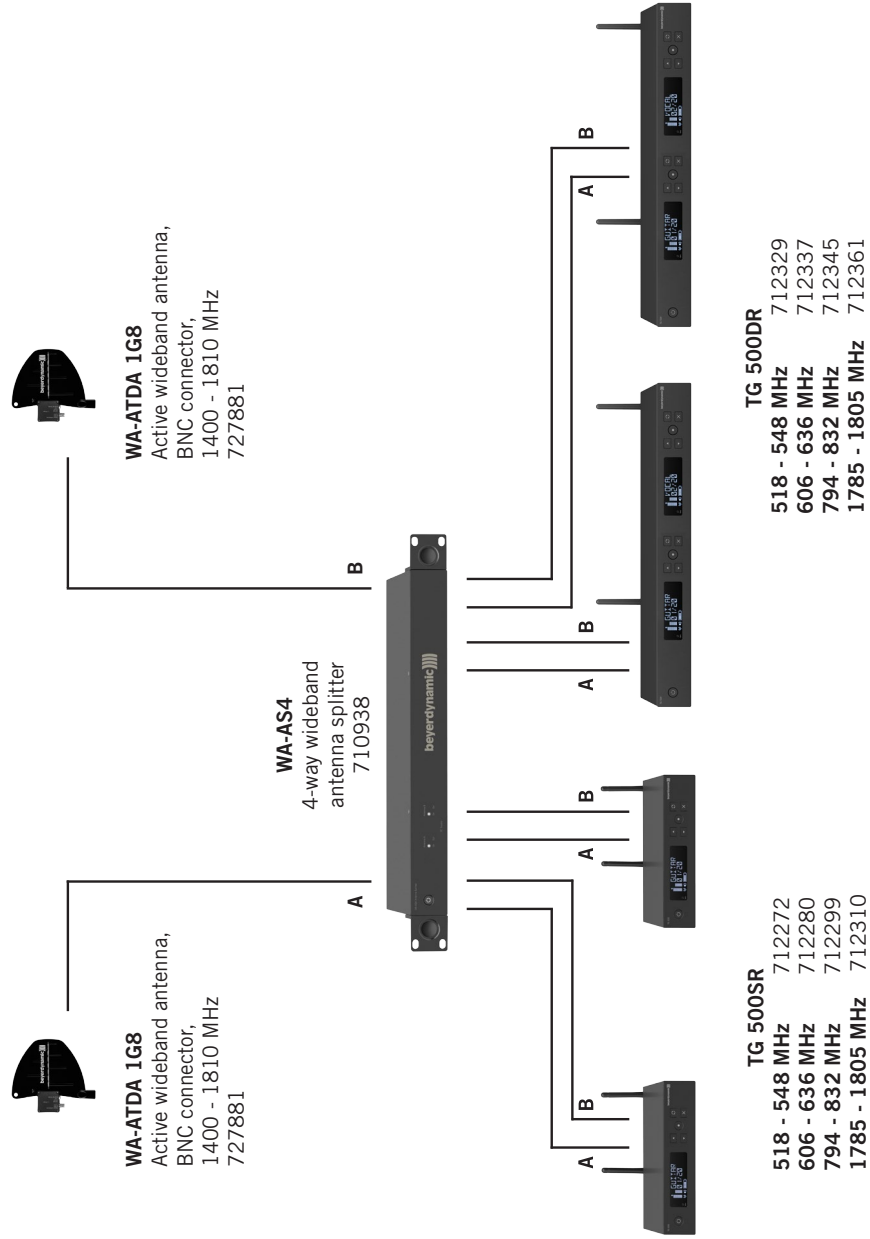
3 more TG 500DR possible

3 more TG 500SR possible

3 more TG 500DR possible

TG 500 SYSTEM DESIGN

Multi-Channel application 1.8 GHz



Note:

The power supply of the antenna WA-ATDA is done by WA-AS4 or optional power adapter.

Connection cable



WA-AC
Antenna cable
5 m (711543)
10 m (711551)
25 m (711578)

www.beyerdynamic.com/tg500



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