

TG 1000 DIGITAL WIRELESS SYSTEM

PROFESSIONAL AUDIO PRODUCTS

MADE IN GERMANY





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TG 1000 DIGITAL WIRELESS SYSTEM

Reliable, flexible, future-proof.

What is TG 1000?

TG 1000 is beyerdynamic's first 24-bit digital wireless system, which covers an impressive 319 MHz of the UHF bandwidth (470 - 789 MHz). With these two features alone, TG 1000 is an extremely flexible system which can be used in a wide variety of venues worldwide. Combine this with a wealth of user-friendly features designed to enhance your performance and TG 1000 becomes your go-to wireless system regardless of the application.

Showtime

Ruggedly built and featuring an extremely wide 319 MHz UHF bandwidth, TG 1000 is an ideal product investment for rental companies due to its ability to cater for a large variety of frequency requirements worldwide. Combine this with 24-bit digital converters and a collection of superb interchangeable microphone capsules and it's easy to see the flexibility on offer with the TG 1000 digital wireless system.

Business

TG 1000 is the ideal wireless system for businesses around the world. It's wireless transmission signal features advanced digital encryption to keep your meetings totally secure. To ensure ease of use, TG 1000 features OneButton Navigation and the intuitive Chameleon Software which is already installed on the receiver.



**319 MHz
Switching Bandwidth**
One wireless system for the entire world? TG 1000 covers 319 MHz of the UHF band. That's four times more than most of our competitors.



Safe long-term Investment
Wireless systems are victims of unpredictable frequency changes. Compared to our competitors, TG 1000 is a safe long-term investment. Its bandwidth (470 - 789 MHz) sets a new benchmark for wireless systems.



Made in Germany
TG 1000 is carefully handcrafted at beyerdynamic's headquarter in Heilbronn, Germany. We manufacture using only the finest mechanical and electronic components and rock solid materials. The receiver housing for example is made of powder-coated steel and aluminium. The transmitters are largely made of light-weight aluminium.

The new standard in user-friendliness.



Dante™ Digital Networking over Ethernet

TG 1000 has a Dante™ interface and can be seamlessly integrated into digital audio networks. Using standard IP networks and Ethernet cabling, Dante™ makes it possible to connect multiple rooms and spaces together with one fully networked audio system. A safely and reliable audio transmission is scalable from simple installations to large-capacity networks running thousands of audio channels. The digital audio network transmits high-quality and uncompressed audio over long distances with near-zero latency. With Dante™ software, the network can be easily managed, controlled and reconfigured.

Dante™ is a trademark of Audinate Pty Ltd.



OneButton Navigation

Intuitive handling through OneButton Navigation – no more struggling through multiple menus.



Excellent Sound Quality

Finest audio quality is ensured by a trend-setting low latency and high error resilience.



Digital Encryption Technology

TG 1000 comes equipped with digital encryption technology as standard – perfect for confidential use.



12-Channel Cascading

Cascade up to 12 channels without using an external splitter.



CrystalClear Display

Using a OLED display, TG 1000 offers highest contrast and crystal clear readability from every angle.



Monitor & Control

The easy-to-use Chameleon Software runs on any device (PC, Tablet, Smartphone) and operating system (Windows, Linux, iOS, Android etc.) without installation. All you need is an Ethernet interface and a web browser.

Always the perfect sound.



Smart Transmitters

Excellent design with the user in mind: compact shape and transmitter lock functionality – a pleasure to use.



2.1 ms Total Latency

TG 1000 features a total latency of only 2.1 ms, which is state of the art for digital wireless systems.



300 m Range

TG 1000 achieves an extraordinary line of sight range of up to 300 meters.



FastSync

The TG 1000's FastSync technology allows you to synchronise the receiver and transmitter in less than one second.



128 dB Dynamic Range

An excellent dynamic range of 128 dB makes the TG 1000 the ideal system for both vocal and instrumental use.



GenuineGuitar

No colouration of your sound or gain loss through wireless systems anymore – thanks to TG 1000's GenuineGuitar technology. Even frequencies as low as 20 Hz are transmitted without loss.



Charging

Easy charging: Standard NiMH batteries can be used for the transmitters. An intelligent charging device with network connectivity is available as an accessory.

TG Wireless Manager

With the TG Wireless Manager you can centrally monitor and control wireless systems with a network interface. The clearly structured, intuitive user interface, combined with meaningful feature naming, makes it particularly simple to use. In addition to the remote control, TG Wireless Manager enables the calculation of intermodulation-free frequency set-ups also regarding products from other market players.

beyerdynamic systems can also be configured offline, allowing multi-channel setups to be created easily in the run up to an event. Useful user groups can be configured for beyerdynamic wireless systems such as the digital wireless system TG 1000. The HF environment conditions can be monitored continuously during live applications with TG Wireless Manager thanks to an integrated scan function. The radius of action that can be covered reliably can be determined conveniently by means of a "walking test".

TG Wireless Manager is available free of charge for Windows and macOS. More information and download at www.beyerdynamic.com/tg-wireless-manager

Because every voice counts.

Interchangeable Microphone Capsules

Six of our best microphones are available as interchangeable capsules for TG 1000 – including dynamic and condenser types, as well as our unique TG V90w ribbon microphone cartridge.



TG MM1w

With the TG MM1w, the TG 1000 digital wireless system presents an all-in-one solution. The wireless system can be used not only to mike speaking and singing voices and musical instruments, but also to calibrate ELA and PA systems in the theatre, at live concerts or at festivals. The TG MM1w interchangeable microphone capsule with the TG 1000 handheld transmitter makes it possible to calibrate easily, without the need of long cable runs.

Ulf Oeckel, freelance FOH mixing & audio system engineer (on tour with Adele, Rammstein, Red Hot Chili Peppers, P!nk, Sade, Cher, Mark Knopfler):

“When calibrating using a tablet in the venue, the handheld transmitter with its interchangeable measurement capsule is very convenient, light and practical, but also sturdy. I use the system primarily for time alignment, monitoring the system response in different areas of the arena during the show. Generally, when I’m on tours I go through up to six measurement microphones, because in the HF range most of them suffer performance and therefore become inaccurate. After nine months, the TG MM1w is still delivering constant and reliable measurements.”





TG V50

The TG V50 capsule provides discreet, powerful sound and a very good gain before feedback – a real all-rounder, which has set standards as wired variant.

Transducer type	Dynamic
Polar pattern	Cardioid
Recommended application	Vocals +++ Speech ++



TG V56

Condenser capsule with a fine resolution for most different applications.

Transducer type	Condenser
Polar pattern	Cardioid
Recommended application	Vocals +++ Speech +++



TG V70

A very good resolved, powerful sound combined with excellent gain before feedback make this capsule first choice when powerful sound is essential on a loud stage.

Transducer type	Dynamic
Polar pattern	Hypercardioid
Recommended application	Vocals +++ Speech +++



TG V90

The world's only ribbon capsule, that can be used on loud stages. Silky clear and discreet sound combined with high gain before feedback and robustness – ideal for demanding touring applications.

Transducer type	Ribbon
Polar pattern	Cardioid
Recommended application	Vocals +++ Speech +



TG V96

The strength of this capsule is reproducing subtle nuances naturally. The true condenser features a sound naturalness that has no equal.

Transducer type	True condenser
Polar pattern	Cardioid
Recommended application	Vocals +++ Speech +++



TG MM1w

This capsule serves to calibrate ELA and PA systems.

Transducer type	Condenser
Polar pattern	Omnidirectional
Recommended application	Measuring sound reinforcement and PA-systems

Make your choice.

Lavalier microphones

Clip-on microphones should be heard, not seen – and for good reason: a lavalier microphone should offer the perfect combination of maximum discreetness and best-possible sound. beyerdynamic's Touring Gear series clip-on microphones accomplish exactly that. You may not see it, but its excellent sound makes it all the more recognisable.



Neckworn and earhook microphones

Many situations on stage require both optimal sound and maximum freedom of movement. These are situations where the advantages of the Touring Gear neckworn and earhook microphones really prove themselves.



Instrument microphones

Great live concerts rely on perfect orchestration. A skilful interplay of voices and instruments can create a truly unforgettable experience. For such a moment, every instrument needs the optimal sound.





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

Transducer type	Condenser
Polar pattern	Omnidirectional



TG H56
Condenser neckworn microphone, with 4-pin mini-XLR connector, available in both 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 both 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

All you need.



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-HHA-SHBY

Aluminium adapter for Shure®, DPA®, Heil Sound®, Sony®, Line6® and many more microphone capsules



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-ZAPD1

Passive two-way Combiner 470 - 1000 MHz used for multiantenna systems



WA-AS6/2

6-way wideband antenna splitter, BNC connector, 470 - 832 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-CKL 60

Loop through cable kit for TG 1000 receivers, included in delivery



WA-ADF

Rear to front adapter, included in delivery



WA-CGI

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



WA-MC

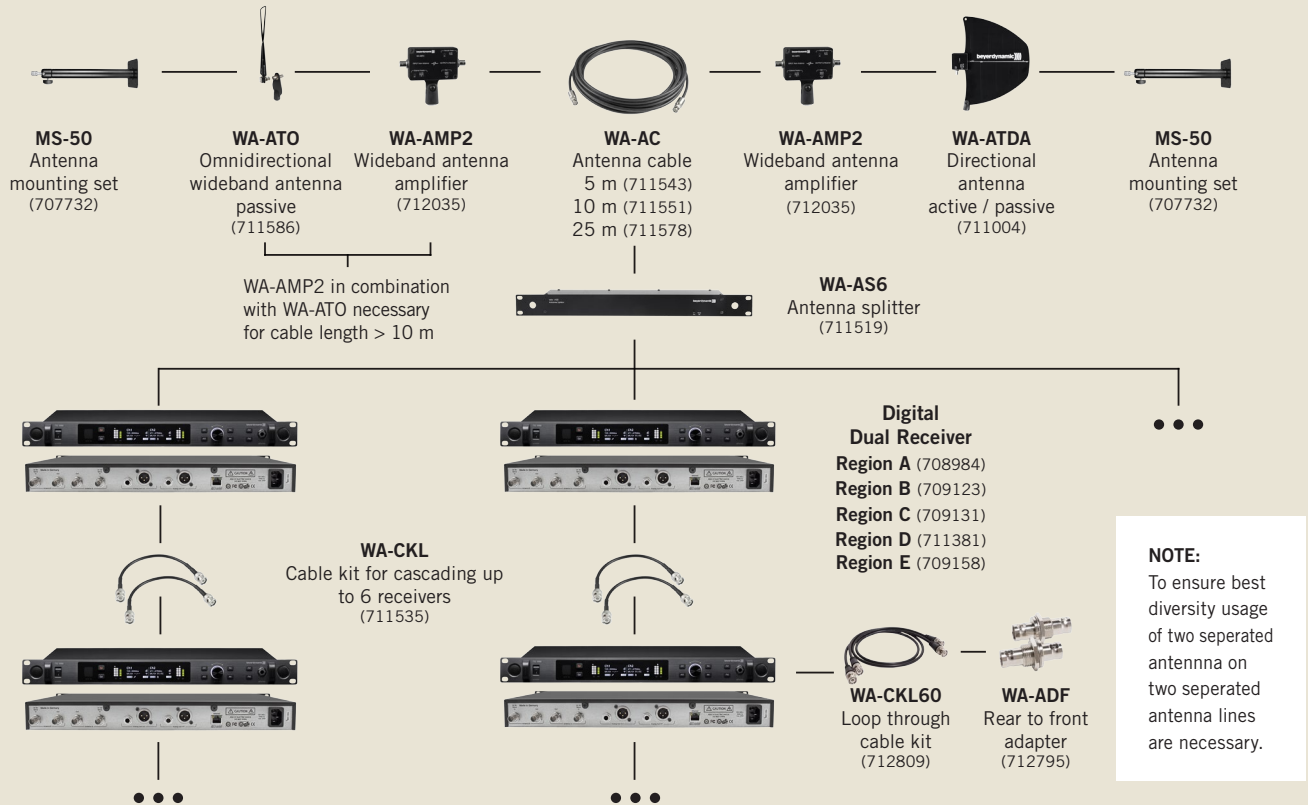
Microphone cable to connect wired microphones with 3-pin XLR



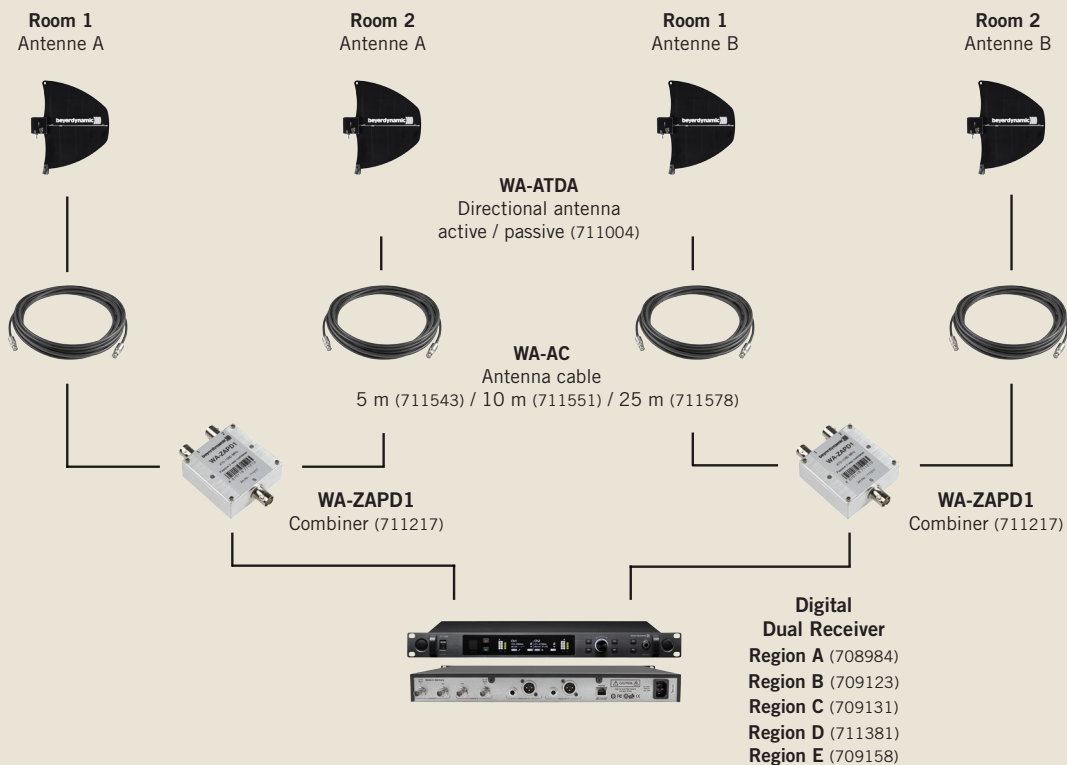
WA-MS

Marker set

Multi channel application



Multi antenna application



Technical specifications TG 1000

TG 1000 Digital Dual Receiver

Operating principle	Digital UHF True Diversity Receiver
Frequency range	
Region A	470 - 789 MHz
Region B	470 - 698 MHz without 608 - 614 MHz (US TV channel 37)
Region C	520 - 694 MHz
Region D	470 - 638 MHz & 650 - 758 MHz
Region E	470 - 714 MHz
Frequency response	20 - 20,000 Hz
Dynamic range	116 dB
Output level	max. + 18 dBu balanced (XLR and jack output) 0 to 42 dB gain
Headphone output	switchable with volume control
Total latency	2.1 ms (from transmitter to receiver)
Encryption & Audio codec	switchable, proprietary encryption; "TriplePlay Codec" with low latency (1.2 ms) and high error resilience
Display	OLED
Mains connection	100 V - 240 V AC
Power consumption	13.8 W (typ.)
Ambient temperature	0 bis +55°C
Weight	3,200 g
Dimensions	420 x 242 x 43 mm
Antenna connection	2 x BNC input / 2 x BNC output

TG 1000 Handheld Transmitter

Operating principle	Digital UHF Handheld Transmitter
Frequency range	same as receiver
Frequency response	20 - 20,000 Hz
Dynamic range	116 dB
Encryption & Audio codec	same as receiver
Transmitter power	10 mW / 50 mW
Display	OLED
Transmission range	up to 300 metres (depends on location)
Operating time	approx. 10 hrs.
Weight	115 g without batteries and microphone capsule
Dimensions	length 200 mm / Ø 36 mm

TG 1000 Beltpack Transmitter

Operating principle	Digital UHF Beltpack Transmitter
Frequency range	same as receiver
Frequency response	20 - 20,000 Hz
Dynamic range	116 dB (128 dB with -12 dB level decrease)
Antenna connection	SMA
Encryption & Audio codec	same as receiver
Transmitter power	10 mW / 50 mW
Display	OLED
Transmission range	up to 300 metres (depends on location)
Operating time	approx. 10 hrs.
Input level	max. + 18 dBu
Weight	102 g without batteries
Dimensions	94 x 59 x 26 mm



www.beyerdynamic.com/tg1000

