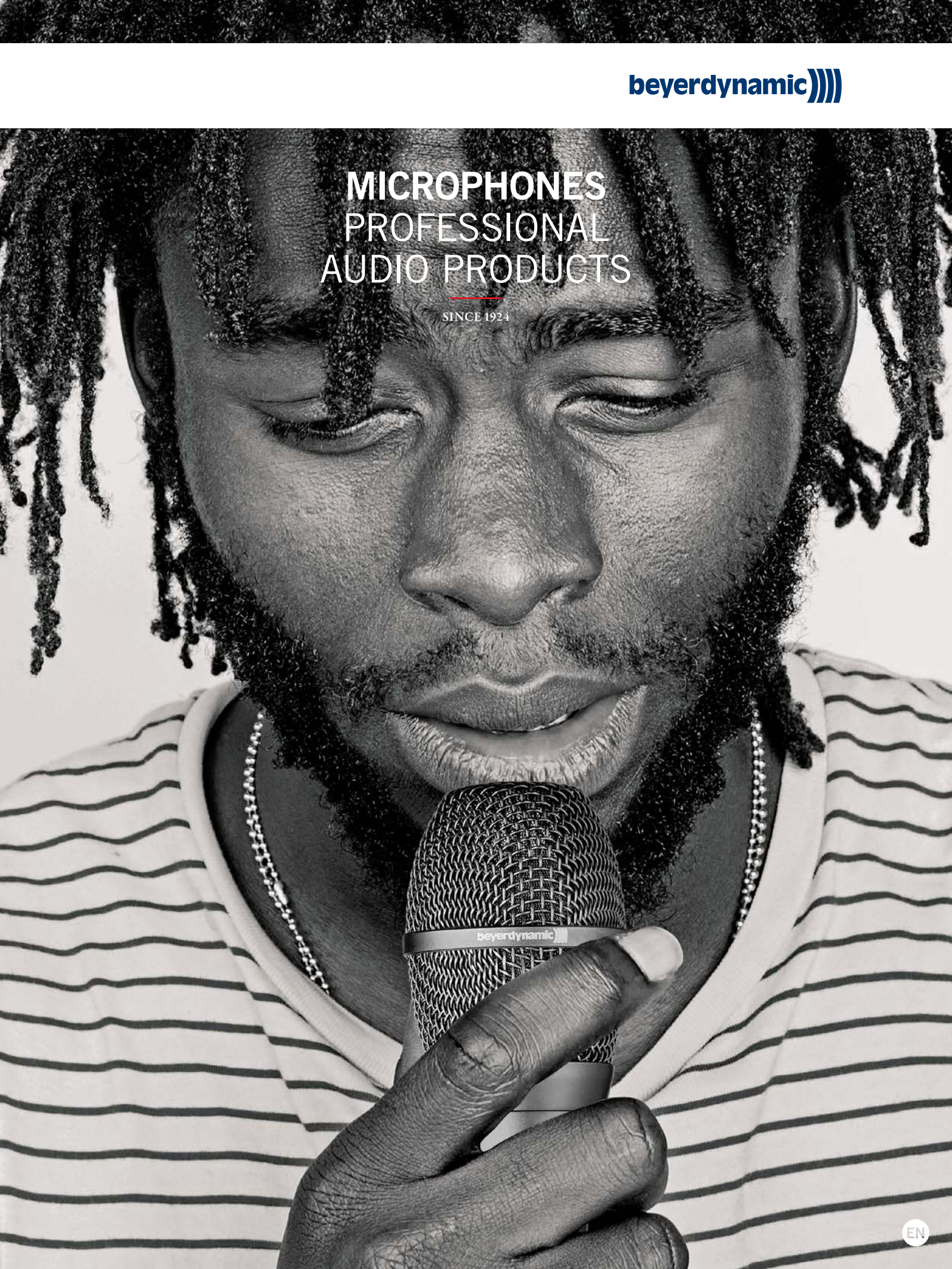


MICROPHONES
PROFESSIONAL
AUDIO PRODUCTS

SINCE 1924



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HOW MICROPHONES WORK

MICROPHONE TYPES

Condenser microphone

In a condenser microphone the sound causes the conductive diaphragm to vibrate, resulting in voltage fluctuations between the capacitor and the capacitor foil. Because the foil diaphragm of a condenser microphone is extremely light, it can detect even the most gentle of sound signals. As a result, condenser microphones are distinguished by their complex character which features especially fine resolution at high frequencies, a sound often referred to as “open” and “elegant”. Today condensers can be found in nearly every studio thanks to their high signal quality, although they always require a supply voltage, usually in the form of phantom powering from the microphone amplifier or mixing console.

Dynamic moving coil microphones

The M19b dynamic microphone, developed by Eugen Beyer in 1939, is based on the principle of induction whereby sound is transformed into electromagnetic voltage impulses. The advantage of a dynamic microphone lies in its rugged design, which allows it to better withstand mechanical stress and makes it conveniently insensitive to footfall and handling noise. The diaphragm of a dynamic microphone is heavier when compared to ribbon and condenser microphones but is able to process high sound pressure levels with significantly less distortion and reduced crosstalk from other unwanted sound sources nearby. The result is extremely rugged handling, high feedback rejection and a powerful sound. Dynamic moving coil microphones do not require a supply voltage and are best suited to live performances or where high SPL levels are required.

Ribbon microphones

Although ribbon microphones are technically dynamic models, their sound characteristics resemble those of a condenser microphone due to their exceptionally light aluminium diaphragms. They are distinguished by their extremely clean transient behaviour while typically sounding warmer and softer than condenser models. They are particularly popular for their natural, faithful midrange reproduction and a high-range reproduction that is significantly softer and smoother than condenser microphones. Therefore they are often used when highly complex sounds are required to be reproduced, whereas a condenser microphone might sound too “bright” or “analytical”.

WIRED MICROPHONES

TOURING GEAR – THE BEST LIVE MICROPHONE SERIES WE'VE EVER BUILT.

The new Touring Gear microphones from beyerdynamic are a series of live microphones that are set to excite performers in studios and on stages all over the world. Rugged in design with phenomenal audio quality, they are the perfect complement to beyerdynamic's legendary M series models, including well-known classics such as the M 88 and M 160.

The secret of perfect tuning

To achieve that unique "beyer" sound, beyerdynamic has been developing and refining its Sound Channelling Technology (SCT) for decades. beyerdynamic's acoustic experts have created acoustic labyrinths with special geometries that provide optimised sound channelling. They influence the sound and model the polar pattern by using precisely tuned delay lines and attenuation pads. Whether with additional elements, special materials or unique design: every beyerdynamic microphone has its own Sound Channelling Technology to ensure optimal control of the sound waves. The result? Incredible sound quality.

Details on which soundchannelling technology is used in each microphone can be found in the product descriptions in the following pages. You will hear and experience the result in every Touring Gear series microphone – that is our promise! Every beyerdynamic microphone has its own Sound Channelling Technology that is specifically tailored to the design of the diaphragm. For example for the TG V90 ribbon microphone, a special high-tech acoustic fabric is used on the inside of the sophisticated sound labyrinth on the back of the diaphragm.

This special geometry provides the optimised sound channelling that contributes to the balanced, natural sound of the TG V90. Another part of the sound channelling technology of the TG V90 is the newly developed treble resonator, which provides the smooth highrange reproduction typical of ribbon microphones whilst protecting the diaphragm against damage from plosives.

The Touring Gear series is a completely new microphone range from beyerdynamic, totally redesigned from the ground up with a brand new identification system to make selection of our microphones easier for you, the user. The 'TG' for Touring Gear is followed by the letter of the specific area of application – 'V' for vocals, 'H' for headsets, 'L' for lavalier, 'D' for drums and 'I' for instruments. The first number specifies the category and the following letter specifies the microphone type – 'd' for dynamic, 'c' for condenser and 'r' for ribbon microphone. An additional 's' signifies a model with a switch. Touring Gear – the sound of German craftsmanship from beyerdynamic.

SCT

beyerdynamic has developed and refined the Sound Channelling Technology (SCT) for decades.

THE FOUR CATEGORIES



TG 30

The TG 30 series is the perfect introduction to the world of beyerdynamic live microphones. An entry level series that can produce big beyerdynamic sound on a small budget.



TG 50

With aesthetically pleasing looks and outstanding sound quality, the TG 50 series is ideal for all users. The series covers all applications relating to stage performing – from vocals, instruments and drums, to headsets and lavalier microphones. TG 50 is the standard Touring Gear series with a truly premium performance.



TG 70

The models of the TG 70 series go one step further with no compromises: Even better technical characteristics and even higher quality materials for an even better sound. Every detail counts – both during development and during manufacturing. The result: first-class microphones - handcrafted in Germany.



TG 90

Designed to be the very best in the Touring Gear range, the TG 90 series is manufactured to the absolute highest quality standards and delivers a sound that is second to none. high-end-equipment handcrafted in Germany for the user who is looking for the “non plus ultra”. The TG 90 series provides an outstanding performance every time and can handle even the most demanding requirements on the stage.

VOCALS





More than an instrument

The human voice is like no other instrument. Every artist's voice is individual and unique – and each performance is one-of-a-kind. To turn these transitory moments into a special experience for the audience, you need a microphone that is optimally suited to the artist's voice. Time for the Touring Gear vocal microphones.

VOCALS

TG V35 s

The reliable and rugged all-around TG V35 s model is a dynamic vocal microphone that is perfect for beginners. Its natural sound that is typical for beyerdynamic and its supercardoid polar pattern with high feedback rejection are valued by vocalists, DJs and speakers in rehearsal rooms and on the stage.

Thanks to the high output level, the TG V35 s only needs a simple pre-amplifier in order to deliver impressive results. It features a noiseless on/off switch and includes an XLR cable, clamp and storage bag.

The TG V35 s is also available as MIC SET and includes in addition to the microphone a 4.5 m XLR cable and a K&M microphone stand with boom.



TG V50 (s)

Whether in the rehearsal room or on a stage of any size, the dynamic TG V50 is an excellently tuned live vocal microphone. Especially notable are its balanced sound that is both powerful and natural, its very wide pick-up range thanks to its cardioid polar pattern, and its high feedback rejection; the whole product range is also outstanding in its handling, ruggedness, look and touch.

The readiness of the TG V50 is impressive. It is advantages like these that will win it many fans for use in lead and backing vocals of all music genres as well as by professional rental companies and sound technicians.



Treble resonator to expand the upper frequency range

Special sound holes behind the diaphragm for a frequency-independent polar pattern

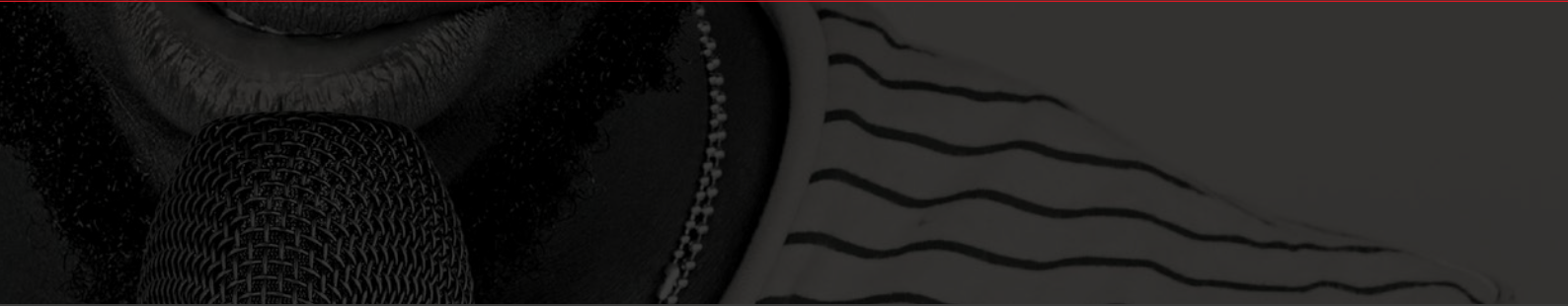
Finely-tuned volume behind the diaphragm for free diaphragm vibrations and improved bass response

Treble resonator to expand the upper frequency range

Special sound holes for maximum feedback reduction

Transducer type	Dynamic
Polar pattern	Supercardioid

Transducer type	Dynamic
Polar pattern	Cardioid



TG V56

The TG V56 offers many possibilities for vocals on stages and in rehearsal rooms. With the fine resolution typical of condenser microphones, it is suitable for a huge variety of requirements. It covers an extremely wide pick-up range due to its cardioid polar pattern, thereby giving flexibility for a wide range of vocal types and music genres.

The subtle treble boost of the TG V56 ensures a very transparent signal and the high-quality decoupling of the capsule minimises handling noises.



TG V70 (s)

Whether it's the feel or the sound, the dynamic TG V70 live vocal microphone with a hypercardioid polar pattern is sure to impress both on the stage and behind the mixing console – for the singer, the audience and the rental company. The reasons: the powerful, extremely well resolved sound, the excellent feedback reduction and a marked proximity effect with saturated bass to support less powerful voices.

Even without help from the tone control of the mixing console, it delivers an impressively rounded and exceptionally powerful sound.

Additional to its great looks, its handling and well-thought-out housing construction with a progressively damped capsule suspension for low handling noises will make it the standard for stage professionals. Available with or without switch.



Treble resonator for an open, transparent sound pattern

Special sound holes for a frequency-independent cardioid polar pattern

Transducer type Condenser

Polar pattern Cardioid

Special sound geometry with high-tech acoustic fabric behind the diaphragm

2-stage treble resonator for optimal treble reproduction

Special sound holes for a frequency-independent polar pattern

Transducer type Dynamic

Polar pattern Hypercardioid

VOCALS

TG V90

As the only ribbon microphone in the world that can stand out even with live vocals on loud stages, the TG V90 is a highlight of the Touring Gear series.

This new interpretation of the legendary M 500 combines the incomparably clear and always unobtrusive sound of a ribbon microphone with the high feedback rejection and ruggedness required for use on tour today. This is made possible by a new system design that achieves a cardioid polar pattern, which is exceptional for a ribbon microphone, combining high output levels with a construction suitable for the stage. The clear, natural sound from this ribbon microphone with a cardioid polar pattern is due to the ultra-light, approx. 2 micrometres thin pure aluminium ribbon that provides exceptional impulse fidelity and outstanding transient behaviour.

Particularly outstanding is the robustness of the ribbon microphones. No other microphone highlights the individuality of a voice like the TG V90 – one reason why it is so loved by vocalists who want something special. In addition to the high-quality craftsmanship, the TG V90 is also impressive with its elegant design and special surface treatment.



Enhanced space behind the diaphragm for improved bass reproduction

Combination of special acoustic labyrinth and high-tech acoustic fabric for optimal tuning

Treble resonator ribbon for smooth high-frequency reproduction as part of the multi-level pop protection

Transducer type	Ribbon (dynamic)
------------------------	------------------

Polar pattern	Cardioid
----------------------	----------

TG V96

The strength of the TG V96 lies in its absolutely faithful reproduction – even of the finest nuances and on stage every detail counts. The microphone's exterior stands out for its sophisticated design, with a special coated surface that is pleasant to the touch. But it is what's inside that makes the TG V96 into a topclass microphone and makes it stand out with vocalists, professional rental companies and sound technicians: this real condenser microphone shines with a captivatingly natural sound. The subtle treble boost provides an open, finely detailed and unobtrusive sound pattern.

Further advantages: the TG V96 can be operated with 11 volt phantom powering without affecting the performance. The 5-layer pop protection made from metal gauze of differing mesh sizes and a sintered plate optimally suppresses plosives while significantly improving the rear attenuation. The TG V96 is rugged enough for the stage and is supplied with an individual frequency response curve print out. Handcrafted in Germany.



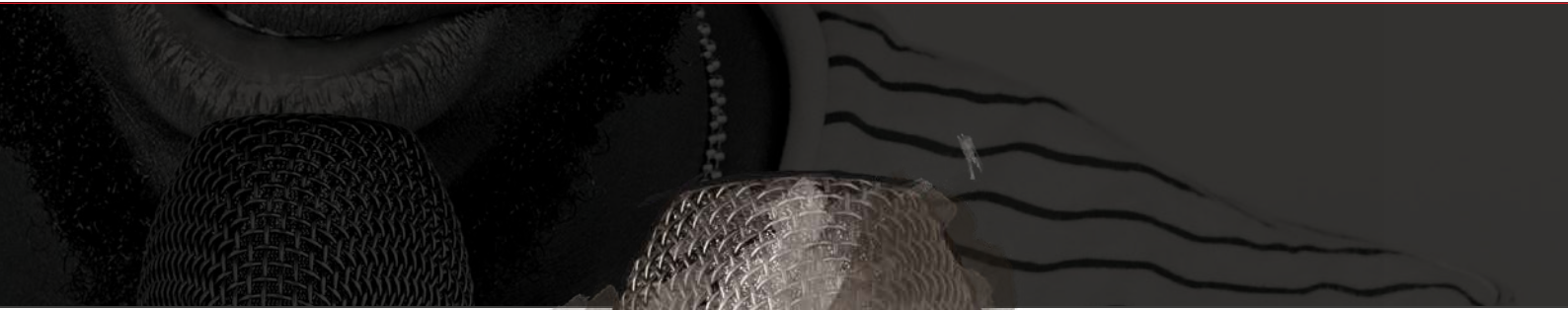
Linear frequency response due to specially shaped back plate electrodes to optimise the diaphragm vibrations

Optimal sound due to multi-layer metal gauze on the upper grill

Protects the diaphragm with sintered, acoustically neutral bronze

Transducer type	Condenser
------------------------	-----------

Polar pattern	Cardioid
----------------------	----------



HEADSETS



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Big sound with room to move

Many situations on stage require both optimal sound and maximum freedom of movement. These are situations where the advantages of the Touring Gear headsets really prove themselves. They let artists take full advantage of the entire space offered by the stage, both with their voice and with their body.

HEADSETS

TG H34

The TG H34 neckworn microphone ensures maximum freedom of movement and is therefore ideal for all free-hand applications. On stage it is very popular among singing dancers, keyboarders or drummers. Furthermore, it is also suitable for all kinds of presentations and sports lessons. The TG H34 features easy handling, a natural sound and optimal fit. The Supercardioid polar pattern provides a high gain before feedback. The flexible gooseneck allows optimally positioning.



High gain before feedback due to supercardioid polar pattern

Lightweight neckband

Flexible gooseneck for optimal positioning

Transducer type

Condenser

Polar pattern

Supercardioid



TG H56 (tan)

The TG H56 microphone commands but does not attract attention – in other words, a commanding and balanced sound meets a subtle appearance.

The splash- and sweat-proof omnidirectional microphone can be mounted on either side and, thanks to the variable microphone arm, can be positioned with precision – benefits that come into their own when the microphone is used for musicals, theater or sport.

The microphone has a detachable cable.



No proximity effect due to omnidirectional polar pattern

Can be worn on both sides thanks to the rotatable earhook

Filigree, adjustable mechanics that fits even the smallest heads

Transducer type	Condenser
------------------------	-----------

Polar pattern	Omnidirectional
----------------------	-----------------

TG H57 tan

The TG H57 ear hook microphone commands but does not attract attention – in other words, a commanding and balanced sound meets a subtle appearance.

The splash- and sweat-proof omnidirectional microphone can be worn on either side. Benefits that come into their own when the microphone is used for presentations or moderations. The detachable connecting cable features a thread and can be replaced by another cable at any time.

The microphone has a detachable cable.



No proximity effect due to omnidirectional polar pattern

Transducer type	Condenser
------------------------	-----------

Polar pattern	Omnidirectional
----------------------	-----------------

HEADSETS

TG H74 (tan)

The TG H74, designed for wireless operation, offers plenty of freedom of movement. With a supercardioid polar pattern and compensated proximity effect, it is particularly suited for musical and theater applications.

Highly adjustable, exceptionally discreet, mountable on both sides and impressively small and rugged – what else could you want from a headset microphone?



Available in the colours:  

Sound channeling before diaphragm as a treble resonator to optimise the high-frequency reproduction

Special sound openings to shape the polar pattern

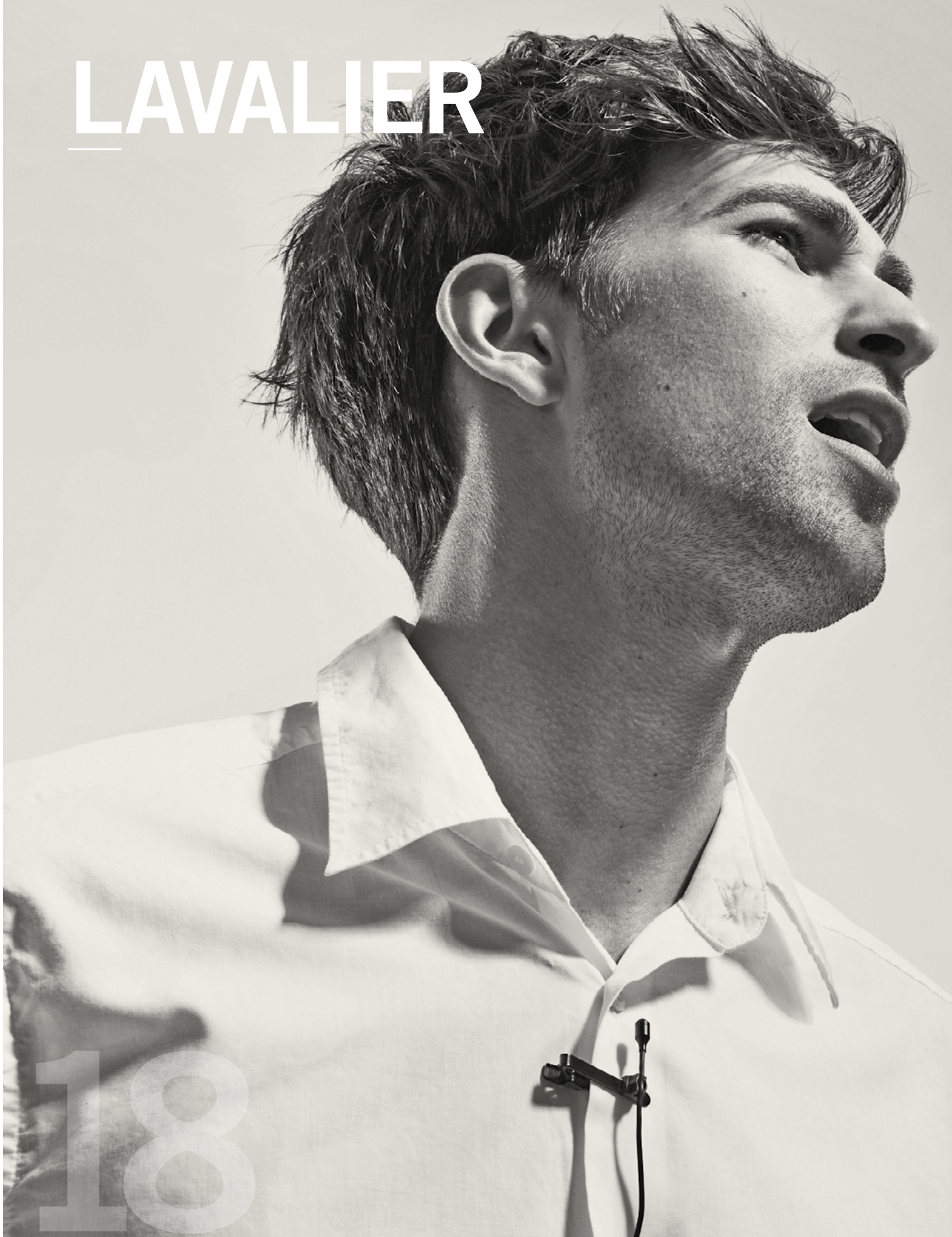
Lightweight neckband

Transducer type	Condenser
-----------------	-----------

Polar pattern	Supercardioid
---------------	---------------



LAVALIER



18



Invisible quality

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

LAVALIER

TG L34

The TG L34 clip-on microphone is an allrounder in multi medial situations and offers high intelligibility of speech and a firm grip on each lapel. The cardioid polar pattern lowers ambient noise and makes it ideal for interviews and reports, as well as lectures and presentations. An integrated windscreen ensures the membrane protection during an additionally supplied popshield minimise wind noise and plosives.



Cardioid polar response provides high gain before feedback

Robust housing

Robust metal clamp for optimal positioning

Transducer type Condenser

Polar pattern Cardioid

TG L55 (tan)

The TG L55 clip-on microphone is the first choice for television and film, as well as for presentations and theater applications. The omnidirectional polar pattern of this acoustically balanced lavalier microphone allows a lot of flexibility in positioning – the TG L55 can be worn on a lapel, and it can also be disguised on the face with makeup. It is also water and sweat-proof, and is exceedingly insensitive to pop noises. Available in both black and tan.



Available in the colours:



No proximity effect due to special omnidirectional polar pattern

Unlimited studio quality

Small and discreet

Transducer type Condenser

Polar pattern Omnidirectional

TG L58 (tan)

The TG L58 is a small omnidirectional clip-on microphone for vocals and speech. It is used for theater applications, presentations or for radio and television. Due to its small dimensions it can be discretely attached to clothing or in the hair. For an almost invisible application the TG L58 is also available in beige. The treble boost and the wide frequency response ensure an excellent intelligibility of speech and precise reproduction. An additional, included, popshield also suppresses wind noise.

Available in
the colours:



No proximity effect due to omnidirectional polar pattern

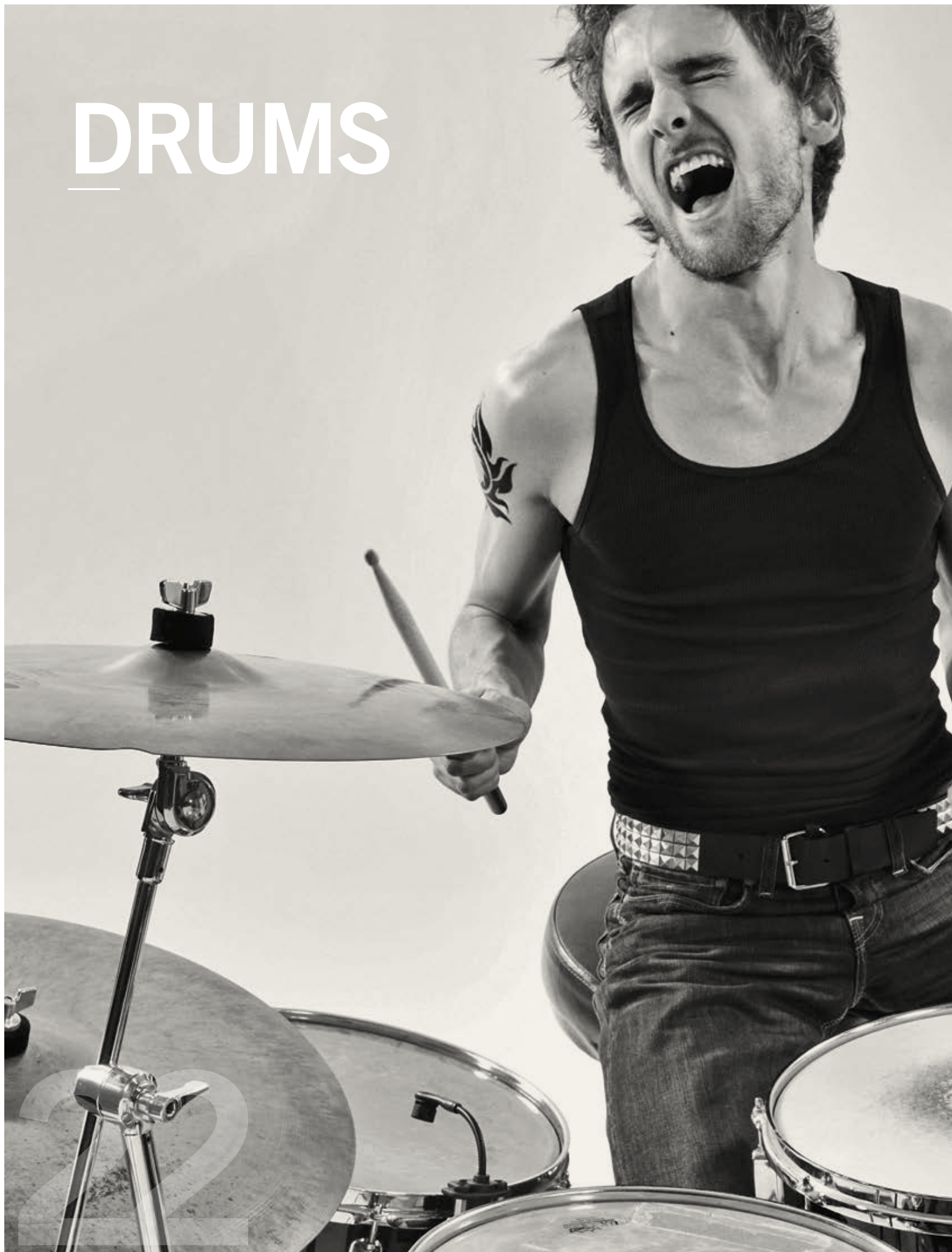
Extended frequency response

High intelligibility of speech

Transducer type Condenser

Polar pattern Omnidirectional

DRUMS





Feeling the beat

Drums are more than just the beat in every piece of music. They are just as much a central component as they are a side note, as much a highlight as they are a detail. Drum microphones therefore have to sound clear, accentuated and palpable – they must transmit the natural sound of the drums instead of just replicating it.

That is what the Touring Gear drum series is for: they can operate at high sound pressure levels, have excellent impulse performance and maximum feedback rejection.

DRUMS



TG D35

The TG D35 is a professional, dynamic microphone for miking drums, percussion and other instruments. The tuned frequency response is predestined for toms and snare, but due to its powerful yet clear sound it is not only great for drums. While the compact and robust plastic housing ensures an easy and secure positioning, the Supercardioid polar pattern allows a high channel separation.

Therefore, the TG D35 is ideal for ambitious musicians or home studio owners, who have only limited space available on their drum sets.

High channel separation thanks to supercardioid polar pattern

Optimised sound characteristic allows reproduction of low frequencies

Undistorted miking high sound pressure level

Transducer type	Moving coil (dynamic)
Polar pattern	Supercardioid



TG D57

Whether with standing toms, snare drums or percussion instruments - with its patented clip-on mount and integrated pre-amplifier, the TG D57 condenser microphone is mounted and ready in a flash. The expanded frequency range ensures faithful reproduction of all drum types and the 72 mm long flexible gooseneck allows it to be optimally positioned relative to the sound source. An elastic capsule suspension on the capsule housing protects against damage from drumstick strikes.

The electronics provide increased level accuracy and guarantee a very high maximum sound pressure level – even with phantom powering below 44 volts.

Optimally positioned treble resonator for optimised high-frequency reproduction

Second treble resonator within the system

Special sound holes for a frequency-independent polar pattern

Transducer type Condenser

Polar pattern Cardioid



TG D58

The practical advantages of the patented microphone clamp on the TG D58 condenser microphone are immediately apparent whether when using with rack toms, snare drums or percussion instruments: the microphone can be mounted and positioned quickly and securely. The balanced frequency response also makes it immediately ready for use.

Pre-amplifiers are a thing of the past due to the integrated pre-amplifiers with downward-facing standard XLR connections. Its ability to operate at high levels as is the newly designed, low-resonance housing, the elastic capsule suspension, the improved signal-to-noise ratio and technical values that remain valid even with phantom powering below 44 volts.

Optimally positioned treble resonator for optimised high-frequency reproduction

Second treble resonator within the system

Special sound holes for a frequency-independent polar pattern

Transducer type Condenser

Polar pattern Cardioid

DRUMS



TG D70

The TG D70 dynamic large-diaphragm microphone is exceptionally reliable for the transmission of sound from low-frequency instruments – the best friend of every bass drum, djembe and bass amplifier. Despite its bulky appearance, it can be easily positioned in the resonant head, even in bass drums with very tiny holes.

The mass-reduced special membrane delivers exceptional impulse fidelity and the hypercardioid polar pattern ensures excellent feedback reduction.

For each switch a specially equalised frequency response curve can be set, which delivers brilliant sound even without making complicated settings on the mixing console; or a linear frequency response curve can be set, which transmits the natural bass drum sound which can then be acoustically tuned via the mixing console.

Special sound geometry behind the diaphragm with high-tech acoustic fabric

Expanded resonance space for exceptionally powerful sound with EQ switch

2-stage treble resonator for optimising the treble reproduction

Special sound holes for a frequency-independent polar pattern

Transducer type	Dynamic
Polar pattern	Hypercardioid



TG D71

With a high impulse fidelity, quick-responding attack, and a maximum sound pressure level of 148 dB, the TG D71 is ideal for miking bass drum and percussion instruments. The microphone delivers an equally convincing performance on cajones and pianos.

While the extremely rugged housing ensures optimum protection during use on stage, the compact design allows the microphone to be positioned easily in a bass drum without any additional accessories. The XLR connector has an integrated pre-amp, which is practical both on stage and in the studio.

A red, illuminating LED status displays the applied phantom power, as well as the operating status of the microphone.

Powerful, natural sound

Phantom power 11 - 52 V

Non-slip rubber bottom

Extremely rugged housing in a compact, slim design Optimal for Bass or Cajon drums

Transducer type	Condenser
Polar pattern	Half-Cardioid

TG DRUM SETS

The TG Drum Sets offer high-performance drum microphones from the Touring Gear series. Four sets are available – TG Drum Set PRO S and M, such as TG Drum Set PRO L und XL



The key features of the TG Drum Set microphones at a glance

- “Plug and Play” microphones, perfect for beginners
- Easy mounting of tomclips on nearly every drum rim
- Naturally sounding condenser microphones
- Simple and easy micing of the whole drum kit
- Set-preferential price



TG DRUM SET PRO S



1x TG D35



1x TG D71



2x TG I53



TG DRUM SET PRO M



4x TG D35



1x TG D71



2x TG I53



TG DRUM SET PRO L



2x TG D57



2x TG D58



1x TG D71



2x TG I53



TG DRUM SET PRO XL



2x TG D57



3x TG D58



1x TG D71



2x MC 930



1x MC 950



INSTRUMENTS





The power of interplay

Great live concerts rely on perfect orchestration. A skilful interplay of voices and instruments can create a truly unforgettable experience for all those involved. For such a moment, every instrument needs the optimal sound – enter the beyerdynamic Touring Gear instrument series.

INSTRUMENTS

TG I52

The powerful sound of the dynamic clip microphone TG I52 is specially designed for brass instruments such as trumpets and trombones. It functions best with high sound levels and the hypercardioid polar pattern delivers extremely good channel separation and maximum feedback rejection.

The practical rubberized clip-on mount also ensures a secure hold, protects the instrument and provides very good isolation from physical vibration. The flexible gooseneck allows it to be optimally positioned relative to the sound source.

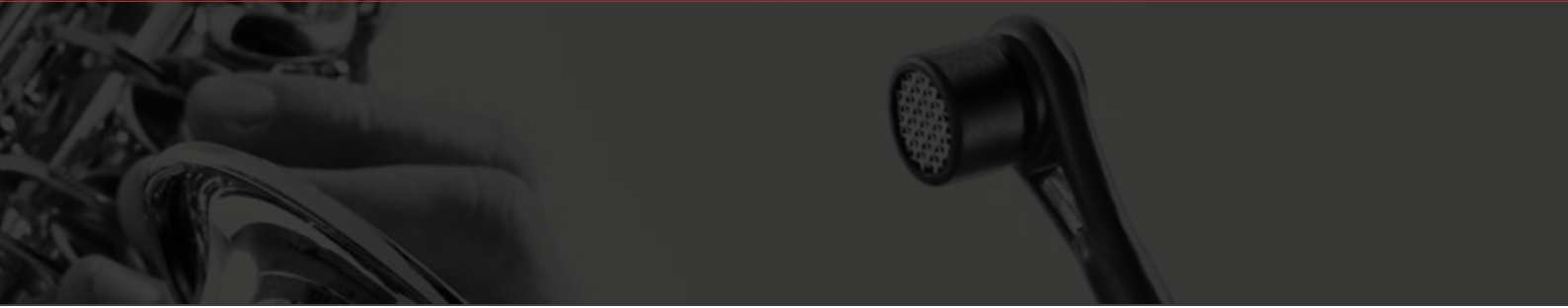


Treble resonator for optimal high-frequency reproduction

Special sound holes with acoustic fabric for maximum frequency

Transducer type	Moving coil (dynamic)
------------------------	-----------------------

Polar pattern	Hypercardioid
----------------------	---------------



TG I53

The very wide frequency response of the TG I53 opens up a variety of possible applications. From hi-hats and overheads to percussion, string and brass instruments and even choir singing – this condenser microphone with its excellent detail reproduction really excels. Because of its high sensitivity, it is also suitable for longer microphone placement distances, for example for large sound sources with complex radiation patterns. Further advantages: it is both light and rugged due to the carbon fibre reinforced housing.

The TG I53 is also available as a stereo set that includes two TG I53 with microphone clip and windscreen and stereo bracket.



Optimally positioned treble resonator for improved high-range reproduction

2nd treble resonator within the system

Special sound holes for a frequency independent polar pattern

Transducer type	Condenser
------------------------	-----------

Polar pattern	Cardioid
----------------------	----------

TG I55 Helix

The versatile TG I55 Helix condenser microphone really demonstrates its strengths when used in combination with the violin, viola, recorder, dulcimer, fretted stringed instruments or zither, cello, double bass and many other instruments. It delivers extremely natural, true sound reproduction without colouration due to the proximity effect.

The omnidirectional polar pattern ensures even sound – regardless of how the capsule is positioned. A further advantage is the unique, innovate clamp that enables quick and easy mounting – without drilling holes and without scratching the instrument.



No proximity effect due to special omnidirectional polar pattern

Transducer type	Condenser
------------------------	-----------

Polar pattern	Omnidirectional
----------------------	-----------------

INSTRUMENTS

TG I56

The TG I56 condenser microphone, whose frequency response is specially designed for live performances with accordions, bandoneons and zithers, is more than just practical. The special clamp enables simple mounting and easy transport: the microphone is simply removed and the clamp remains on the instrument. The cardioid polar pattern of the TG I56 also ensures high feedback rejection and the microphone capsule is isolated from vibration on the gooseneck preventing unwanted mechanical noise.



Optimally positioned treble resonator for improved high-range reproduction

2nd treble resonator within the system

Special sound holes for a frequency-independent polar pattern

Transducer type	Condenser
------------------------	-----------

Polar pattern	Cardioid
----------------------	----------

TG I57

To pick up sound from brass instruments such as saxophones, trumpets, trombones or horns, a microphone really has to function at a high level, a requirement where the TG I57 premium clip-on condenser microphone succeeds with flying colours. It can operate at extremely high maximum sound levels and reliably suppresses unwanted noise as a result of its cardioid polar pattern.

The easy to mount clamp with gooseneck for optimal positioning protects the instrument's surface and provides a reliable hold.



Optimally positioned treble resonator for improved high-range reproduction

2nd treble resonator within the system

Special sound holes for a frequency-independent polar pattern

Transducer type	Condenser
------------------------	-----------

Polar pattern	Cardioid
----------------------	----------



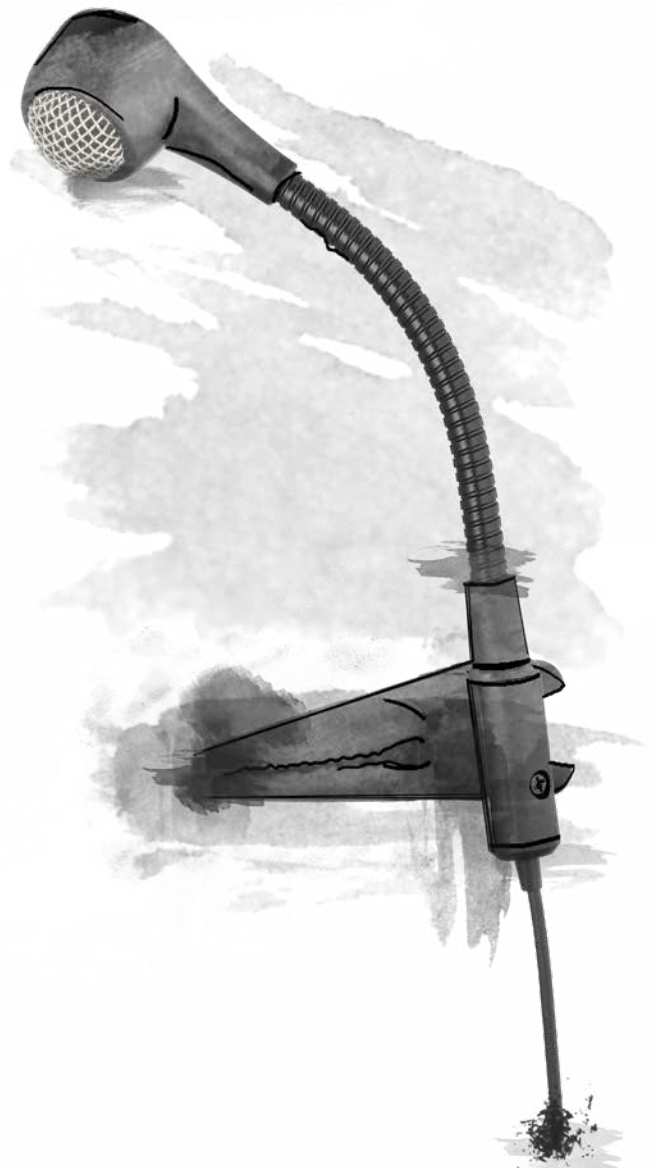
TG I58 Helix

The versatile TG I58 Helix condenser microphone really demonstrates its strengths when used in combination with the violin, viola, recorder, dulcimer, fretted stringed instruments or zither, cello, double bass and many other instruments. It delivers extremely natural, true sound reproduction without colouration due to the proximity effect. The omni-directional polar pattern ensures even sound – regardless of how the capsule is positioned.




No proximity effect due to special omnidirectional polar pattern

Transducer type	Condenser
Polar pattern	Omnidirectional



WIRED MICROPHONES M SERIES – LEGENDARY MICROPHONES

34



The cult microphones of the beyerdynamic M Series combine outstanding sound characteristics with rugged quality in characteristic shape. Hardly another microphone is linked to the history of rock and roll in quite the way that for example our ribbon microphone M 160 or the dynamic model M 88 TG is.

The names of the microphones differ according to the transducer type – M stands for dynamic, MC stands for true condenser and MCE stands for condenser.

DYNAMIC MICROPHONES

M 88

The M 88 is the standard for all live applications. Combining legendary sound with unmatched feedback resistance it can be used in nearly every situation on stage and can also cope with difficult acoustic environments.



Extended frequency range with very soft presence boost and exceptional bass reproduction

High SPL handling capability

Rugged construction

Transducer type	Moving coil (dynamic)
------------------------	-----------------------

Polar pattern	Hypercardioid
----------------------	---------------

M 130

The M 130 is a classic ribbon microphone offering two stacked ribbons ensuring pure, uncoloured sound. It's the ideal companion for authentic recordings and studio applications. The figure eight polar pattern eliminates unwanted noises from the side.



Superb transient response

Characteristical warm and natural sound

Compact and rugged design

Transducer type	Ribbon (dynamic)
------------------------	------------------

Polar pattern	Figure 8
----------------------	----------

DYNAMIC MICROPHONES

M 160

The double ribbon microphone M 160 is designed to meet the highest demands. It can be used for the most delicate bow instrument as well as for piano, hihat and overhead. It offers a hypercardioid polar pattern with high off-axis rejection and can also be used on stage.

The small dimensions allow for an unobtrusive and flexible placement.

The M 160 is a double-band microphone and is very well suited for higher sound pressure levels such as in front of a guitar amp.



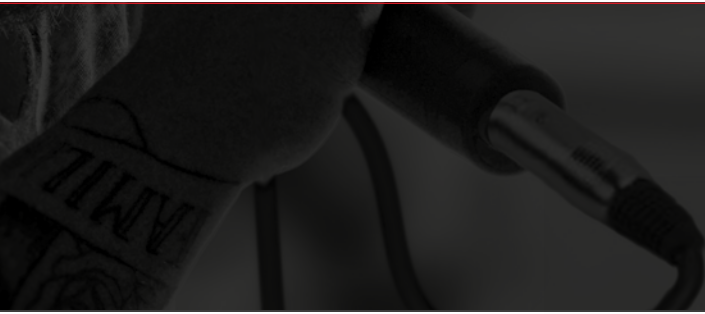
Excellent transparency and transient response

Warm and natural sound

Compact and rugged design

Transducer type	Ribbon (dynamic)
------------------------	------------------

Polar pattern	Hypercardioid
----------------------	---------------



M 201

The M 201 is optimised for a variety of different situations. Drums, percussions, stringed instruments, piano – the M 201 is an all-purpose instrumental microphone offering high feedback resistance and an integrated hum-buck coil.

The M 201 has one of the smallest dynamic systems worldwide and is manufactured in Germany.



Small dimensions for unobtrusive positioning

High gain-before-feedback

Rugged construction

Transducer type Moving coil (dynamic)

Polar pattern Hypercardioid



CONDENSER MICROPHONES

MC 840

The MC 840 is a compact top-class large diaphragm studio microphone. It is equipped with five selectable polar patterns (omnidirectional, wide cardioid, cardioid, hypercardioid, figure 8) and delivers a transparent and neutral sound in studio and on stage.



Large diaphragm capsule with gold vaporised double diaphragms

Switchable pre-attenuation for high sound pressure levels

Elastic capsule mounting

Transducer type	True condenser
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Polar pattern	Switchable: omnidirectional, wide cardioid, cardioid, hypercardioid, figure 8
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MC 930

The MC 930 is a high-quality small-diaphragm microphone providing a wide frequency response as well as high gain before feedback due to its cardioid polar pattern. The MC 930 can be used in professional studios as well as in difficult acoustic environments where excellent sound and maximum feedback resistance are a must.

The MC 930 is also available as a stereo set that includes two MC 930 with elastic suspension and windshield.



Switchable pre-attenuation -15 dB

Switchable bass roll-off filter with 6 dB/Octave at 250 Hz

Very high off-axis rejection

Transducer type	True condenser
------------------------	----------------

Polar pattern	Cardioid
----------------------	----------

MC 950

The supercardioid MC 950 delivers a neutral sound as well as excellent gain-before feedback eliminating noises from the rear. Miking choirs, pianos or orchestras are some of the possible applications. The MC 950 is phantom powered (11 - 52 volts) and can be used with nearly any amplifier in studio or live situations as well as installations.



Switchable pre-attenuation -15 dB

Switchable bass roll-off filter with 6 dB/Octave at 250 Hz

Uncoloured off-axis response

Transducer type	True condenser
------------------------	----------------

Polar pattern	Supercardioid
----------------------	---------------

CONDENSER MICROPHONES

MCE 85

The MCE 85 can be mounted to film cameras, DSLR cameras or digital camcorders for high-quality recordings in outdoor applications or in theaters and studios with fishpole boom or as handhelds.

The MCE 85 is available in two various versions and one set:

The MCE 85 PV can be powered by any phantom power source supplying 11 to 52 volts.

The MCE 85 BA can also be powered by an 1.5 volts battery and is fitted with a switch to activate the battery-powered operation and a battery status LED.

The MCE 85 BA is also as Full Camera Kit available and include additionally a Rycote Universal Camera Kit.



Wide frequency response

Selectable bass roll-off

Matt, non-glare surface

Transducer type	Condenser
------------------------	-----------

Polar pattern	Supercardioid / Lobe
----------------------	----------------------

MM 1

The MM 1 is a measurement microphone which has been designed specifically for measuring sound reinforcement and PA-systems. It is designed to work with spectrum analysers for measuring frequency response and sound pressure levels of loud speaker systems. The MM 1 is the ideal microphone for the measurement of audio signals in the research, development, for reverberation testings and other applications. The narrow tubular construction ensures that the microphone has negligible influence on the sound field so that an increase in sound pressure is avoided with high frequencies. A natural reproduction is achieved due to the linear frequency response.

Each microphone is supplied with a printout of an individually measured 0° frequency response curve.

The measured data can be requested by sending the serial number of the microphone head to www.beyerdynamic.com/mm1-register.

The MM1 is also available as a wireless version TG MM1w and is used with the TG 1000 digital wireless system.



Linear frequency response in the diffuse field / under 90°

Calibrated open circuit voltage

Narrow tubular construction

Transducer type Condenser

Polar pattern Omnidirectional

WIRELESS MICROPHONES



44



TG 100 WIRELESS SYSTEM

A new benchmark is set: The TG 100 is the first entry-level wireless system that includes a pilot tone function which provides a lot of advantages. Speech clarity combined with user-friendly handling and improved protection against interference makes the TG 100 a handy all-round wireless system. Developed for smaller sound installations as well as for ambitious hobby musicians the TG 100 wireless system is equally adept to both speech and singing.



Handheld Set

Live show or band practice, the handheld transmitter containing a professional dynamic microphone capsule meets all needs. The handheld set is the perfect stage tool for ambitious hobby musicians and offers the necessary flexibility for any kind of performance.

The Handheld Set includes

TG 100R Diversity Receiver

TG 100H Handheld Transmitter

Power supply

Batteries



Beltpack Set

The beltpack set makes the TG 100 wireless system an ideal tool for a wide range of events. From a presentation to an energetic sports event: While the sound switch provides speech clarity, the neckworn headset always guarantees a perfect fit and maximum flexibility.

The Beltpack Set includes

TG 100R Diversity Receiver

TG 100B Beltpack Transmitter

TG H34 Headset

Power supply

Batteries





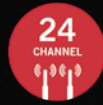
Pilot Tone Function

The pilot tone prevents noise and assures user-friendly handling. The TG100 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.



Professional Diversity Receiver

The professional diversity receiver ensures best signal reception even in a complex environment.



24 Channels

A rotating dial allows the user to choose between 8 different channels. 3 available band variants enable the use of up to 24 channels simultaneously.



Sound Switch

The integrated sound switch equally improves the clarity of speech and vocals without the need for a mixing console.



10 h Battery Operation

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



Accessories

TG H34

The TG H34 neckworn microphone ensures maximum freedom of movement and is therefore ideal for all free-hand applications. On stage it is very popular among singing dancers, keyboarders or drummers. Furthermore, it is also suitable for all kinds of presentations and sports lessons. The TG H34 features easy handling, a natural sound and optimal fit. The supercardioid polar pattern provides a high gain before feedback. The flexible gooseneck allows optimally positioning.

Rack Mount Kit

The TG 100 rack mount kit has space for up to three TG 100 receivers on one Unit. If only one or two receiver will be assembled the kit includes blank panels to cover unused space.

Frequency Ranges:

- 174 - 184 MHz
- 194 - 204 MHz
- 213 - 223 MHz



High gain before feedback due to supercardioid polar pattern

Lightweight, adjustable neckband

Flexible gooseneck for optimal positioning

Transducer type	Condenser
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Polar pattern	Supercardioid
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TG 500 WIRELESS SYSTEM

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.



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 condenser capsule
TG V56

Beltpack Transmitter



TG 500B
Beltpack Transmitter



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.



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.

Microphones for Beltpack Transmitter

Lavalier Microphone



TG L58

Transducer type	Condenser
Polar pattern	Omnidirectional

Headset microphones



TG H56

Transducer type	Condenser
Polar pattern	Omnidirectional

TG H57



Transducer type	Condenser
Polar pattern	Omnidirectional

TG H74



Transducer type	Condenser
Polar pattern	Supercardioid

Instrument Microphones



TG I56

Transducer type	Condenser
Polar pattern	Cardioid

TG I57

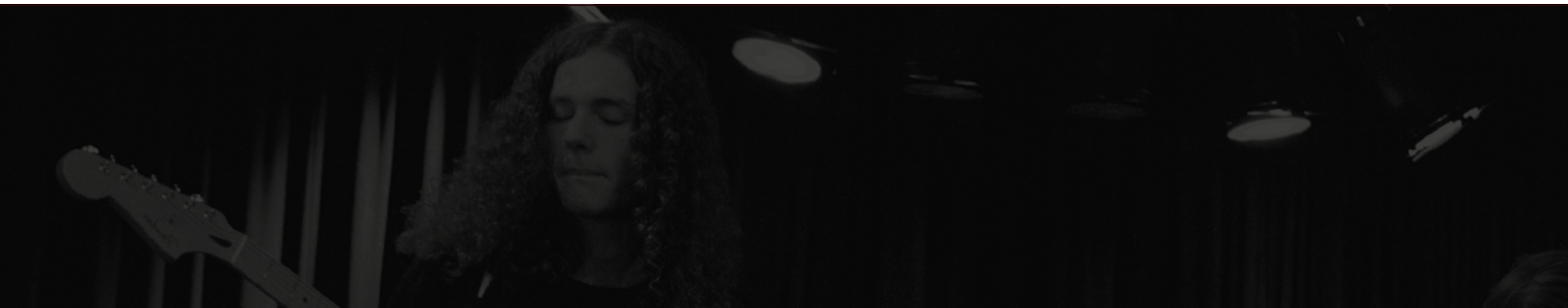


Transducer type	Condenser
Polar pattern	Cardioid

TG I58 Helix



Transducer type	Condenser
Polar pattern	Omnidirectional



Accessories



WA-CD

The TG 500 handheld / beltpack transmitter can be recharged within a very short time by using the charger, which is available as an accessory.



WA-ATO

Passive omnidirectional wideband antenna, BNC, 470 - 1000 MHz



WA-ATDA

Passive directional wideband antenna, BNC 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 multiantenna systems



WA-AS4

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



WA-AMP2

Wideband antenna amplifier, BNC connector, 5dB / 10dB / 15dB / 20dB switchable gain, BNC, 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, BNC, 470 - 1000 MHz



MS-50

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



WA-CKL60

Loop through cable kit for for antenna front mounting





WA-ADF



Rear to front adapter

WA-MS



Marker set for handheld transmitters

WA-CGI



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

Frequency Ranges:

518 - 548 MHz

606 - 636 MHz

794 - 832 MHz

1785 - 1805 MHz

WA-MC



Microphone cable to connect wired microphones with 3-pin XLR



TG 500 WIRELESS SYSTEM SETS



TG 550 Vocal Set

- TG 500SR (Single Receiver)
 - TG 500H-D (Handheld Transmitter with dynamic TG V50 capsule)
 - Microphone Clamp
 - Antennas
 - Batteries
 - Power Supply
 - Rack Mount Kit
-

TG 556 Vocal Set

- TG 500SR (Single Receiver)
 - TG 500H-C (Handheld Transmitter with condenser capsule TG V56)
 - Microphone Clamp
 - Antennas
 - Batteries
 - Power Supply
 - Rack Mount Kit
-



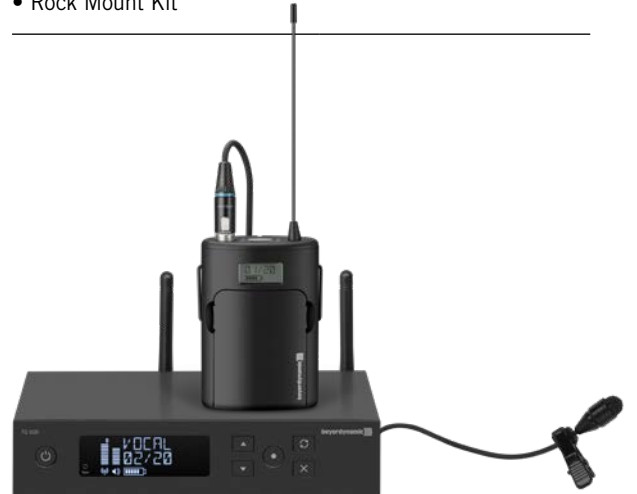
TG 510 Instrument Set

- TG 500SR (Single Receiver)
- Instrumental Cable WA-CGI
- TG 500B (Beltpack Transmitter)
- Antennas
- Batteries
- Power Supply
- Rock Mount Kit



TG 534 Headworn Set

- TG 500SR (Single Receiver)
- Neckworn Microphone TG H34
- TG 500B (Beltpack Transmitter)
- Antennas
- Batteries
- Power Supply
- Rack Mount Kit



TG 558 Presenter Set

- TG 500SR (Single Receiver)
- Lavalier Microphone TG L58
- TG 500B (Beltpack Transmitter)
- Antennas
- Batteries
- Power Supply
- Rack Mount Kit

TG 1000 DIGITAL WIRELESS SYSTEM

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 a hugely flexible system which can be used in a wide variety of venues worldwide, competently and reliably. 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 application.



Dual Receiver

The digital diversity receiver is cascadable so that up to six receivers can be operated simultaneously with only two antennas.

Handheld and Beltpack Transmitter

The selection of handheld and beltpack transmitters, with different interchangeable capsules for the handheld transmitter or microphones for the beltpack transmitter, optimally meets individual requirements.

Interchangeable Capsules

TG V50w



Transducer type	Moving coil (dynamic)
Polar pattern	Cardioid
Recommended application	Singing +++ Speech ++

TG V90w



Transducer type	Ribbon (dynamic)
Polar pattern	Cardioid
Recommended application	Singing +++ Speech +

TG V56w



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

TG V96w



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

TG V70w



Transducer type	Moving coil (dynamic)
Polar pattern	Hypercardioid
Recommended application	Singing +++ Speech +

TG MM1w



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

319 MHz

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) is due to set a benchmark in the wireless market.



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.

Microphones for Beltpack Transmitter

Lavalier Microphone

TG L58



Transducer type	Condenser
Polar pattern	Omnidirectional

Headset Microphones

TG H56



Transducer type	Condenser
Polar pattern	Omnidirectional

TG H57



Transducer type	Condenser
Polar pattern	Omnidirectional

TG H74



Transducer type	Condenser
Polar pattern	Supercardioid

Instrument Microphones

TG I56



Transducer type	Condenser
Polar pattern	Cardioid

TG I57



Transducer type	Condenser
Polar pattern	Cardioid

TG I58 Helix



Transducer type	Condenser
Polar pattern	Omnidirectional

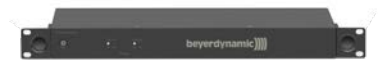
TG 1000 DIGITAL WIRELESS SYSTEM

Accessories



WA-CD

The TG 1000 handheld / beltpack transmitter can be recharged within a very short time by using the charger, which is available as an accessory



WA-AS6/2

6-way wideband antenna splitter, BNC connector, 470 - 832 MHz

WA-ATO

Passive omnidirectional wideband antenna, BNC, 470 - 1000 MHz



WA-AMP2

Wideband antenna amplifier, BNC connector, 5 dB / 10 dB / 15 dB / 20 dB switchable gain BNC, 470 - 1000 MHz

WA-ATDA

Passive directional wideband antenna, BNC connector, 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, BNC, 470 - 1000 MHz

WA-ZAPD1

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



MS-50

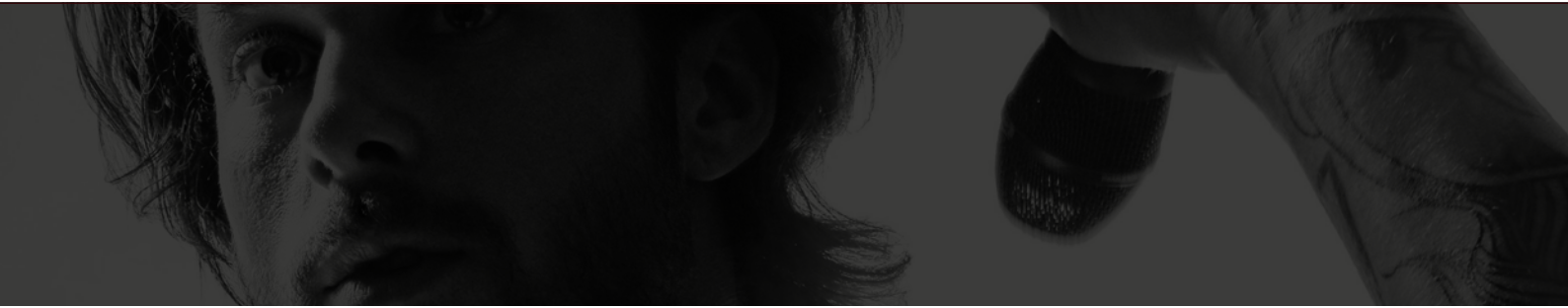
Antenna mounting set, 3/8" thread, incl. 5/8" adapter



WA-CKL60

Loop through cable kit up to 6 TG 1000 for TG 500 channels, included in delivery





WA-ADF



Rear to front adapter, Included in delivery

WA-MS



Marker set for handheld transmitters

WA-CGI



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

WA-HHA-SHBY



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

WA-MC



Microphone cable to connect wired microphones with 3-pin XLR

Frequency Range:
470 - 789 MHz



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 RF 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



OPUS 910 UHF WIRELESS SYSTEM

Designed for use either on tour or in fixed installations, the Opus 910 professional UHF wireless system from beyerdynamic offers the highest levels of reliability, audio and transmission quality. A wide selection of receivers, transmitters and interchangeable microphone capsules are available for the system, plus an extensive range of accessories and the option for PC control for advanced system set-up.



Receiver

For Opus 910, three receiver versions with 2880 selectable UHF frequencies per frequency range are available:

- 1-Channel Receiver NE 911
- 2-Channel Receiver NE 912
- 4-Channel Receiver NE 914

Handheld and Beltpack Transmitter

The choice of two handheld transmitters for different frequency ranges with 5 interchangeable capsules and 2 pocket transmitters with various microphones offers maximum flexibility:

- S 910 C Handheld Transmitter with charging contacts
- S 910 M Handheld Transmitter without charging contacts
- TS 910 C Beltpack Transmitter with charging contacts
- TS 910 M Beltpack Transmitter without charging contacts

Interchangeable Capsules

DM 969 S



Transducer type	Moving coil (dynamic)
Polar pattern	Supercardioid

RM 510



Transducer type	Ribbon (dynamic)
Polar pattern	Cardioid

CM 930 (B/S)



Transducer type	True condenser
Polar pattern	Cardioid

DM 960



Transducer type	Moving coil (dynamic)
Polar pattern	Hypercardioid

EM 981 S



Transducer type	Condenser
Polar pattern	Cardioid

Microphones for Beltpack Transmitter

Lavalier Microphone



TG L55

Transducer type	Condenser
Polar pattern	Omnidirectional

TG H56



Transducer type	Condenser
Polar pattern	Omnidirectional




Impressive bandwidth


The UHF bandwidth of 72 MHz offers up to 2880 selectable frequencies per frequency range plus an automatic channel targeting function (ACT), making the system both future-proof and highly flexible, regardless of the venue it is used in.




Automatic channel targeting function


An easy setup on the venue or at conferences provides the automatic channel targeting function (ACT).


TG H74 	
Transducer type	Condenser
Polar pattern	Supercardioid


TG I56 (Opus) 	
Transducer type	Condenser
Polar pattern	Cardioid


TG I57 (Opus) 	
Transducer type	Condenser
Polar pattern	Cardioid


Accessories


SLG 900 	
NiMH Battery charging unit for 2 "C" handheld transmitter or bodypack transmitter	


WA-ATDA 	
Passive directional wideband antenna, TNC connector, 470 - 1000 MHz	


WA-ZAPD1 	
Passive two-way Combiner, BNC, 470 - 1000 MHz used for multiantenna systems	


WA-MC 	
Microphone cable to connect wired microphones with 3-pin XLR	


ZAS 900 	
UHF wideband antenna splitter, 4-way, 480 - 850 MHz	

AT 71 	
UHF wideband groundplane antenna, 470 - 1000 MHz	

AVK 800/1 TNC(M) AC7 	
Antenna cable, length 1 m	

AVK 800/3 TNC(M) AC7 	
Antenna cable, length 3 m	

AVK 800/10 TNC(M) AC7 	
Antenna cable, length 10 m	

AVK 800/25 TNC(M) AC7 	
Antenna cable, length 25 m	

OPUS 900/910 USB adapter 	
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Frequency Range:
502 - 790 MHz

OVERVIEW WIRED MICROPHONES

	Product name	Order #	Transducer type	Polar pattern
TG SERIES	TG V35 s	707244	Dynamic	Supercardioid
	TG V35 s MIC SET	707600		
	TG V50	707252	Dynamic	Cardioid
	TG V50 s	707260		
	TG V56	707279	Condenser	Cardioid
	TG V70	707295	Dynamic	Hypercardioid
	TG V70 s	707287		
	TG V90	707317	Ribbon (dynamic)	Cardioid
	TG V96	707325	Condenser	Cardioid
	TG H34 (OPUS)	706396	Condenser	Supercardioid
	TG H34 (TG)	706477		
	TG H56 (OPUS)	708402	Condenser	Omnidirectional
	TG H56 tan (OPUS)	708410		
	TG H56 (TG)	705888		
	TG H56 tan (TG)	705853		
	TG H57 tan (TG)	708941	Condenser	Omnidirectional
	TG H74 (OPUS)	707090	Condenser	Supercardioid
	TG H74 tan (OPUS)	707104		
	TG H74 (TG)	708364		
	TG H74 tan (TG)	708372		
	TG L34 (OPUS)	706256	Condenser	Cardioid
	TG L55 (OPUS)	707201	Condenser	Omnidirectional
	TG L55 tan (OPUS)	707228		
	TG L58 (TG)	706221	Condenser	Omnidirectional
	TG L58 tan (TG)	705926		
	TG D35	708429	Moving coil (dynamic)	Supercardioid
	TG D57	707015	Condenser	Cardioid
	TG D58	707023	Condenser	Cardioid
	TG D70	707031	Dynamic	Hypercardioid
	TG D71	708992	Condenser	Half-Cardioid
TG Drum Set PRO S	727695			
TG Drum Set PRO M	727687			
TG Drum Set PRO L	727717			
TG Drum Set PRO XL	727709			
TG I52	707147	Moving coil (dynamic)	Hypercardioid	
TG I53	707155	Condenser	Cardioid	
TG I53 Stereo Set	708445			
TG I55 Helix (OPUS)	707163	Condenser	Omnidirectional	
TG I56 (OPUS)	707171	Condenser	Cardioid	
TG I56 (TG)	708348			
TG I57 (OPUS)	707198	Condenser	Cardioid	
TG I57 (TG)	708356			
TG I58 Helix (TG)	708437	Condenser	Omnidirectional	
M SERIES	M 88	437115	Moving coil (dynamic)	Hypercardioid
	M 130	129534	Ribbon (dynamic)	Figure 8
	M 160	100668	Ribbon (dynamic)	Hypercardioid
	M 201	406910	Moving coil (dynamic)	Hypercardioid
	MC 840	482838	True condenser	Switchable: omnidirectional, wide cardioid, cardioid, hyper-cardioid, figure 8
	MC 930	465267	True condenser	Cardioid
	MC 930 Stereo Set	471968		
	MC 950	499862	True condenser	Supercardioid
	MCE 85 PV	706523	Condenser	Supercardioid / Lobe
	MCE 85 BA	706418		
MCE 85 BA Full Camera Kit	706965			
MM 1	449350	Condenser	Omnidirectional	

OVERVIEW WIRELESS MICROPHONES

	Product name	Order #	Transducer type	Polar pattern	Product name	Order #	Transducer type	Polar pattern
TG 100	Handheld Set 174 - 184 MHz 194 - 204 MHz 213 - 223 MHz	706264 706272 706280			TG 500SR 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712272 712280 712299 712310		
	Beltpack Set 174 - 184 MHz 194 - 204 MHz 213 - 223 MHz	704903 706337 704938			TG 500DR 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712329 712337 712345 712361		
	TG H34 (TG)	706477	Condenser	Cardioid	TG 500B 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712108 712116 712124 712140		
	Rack Mount Kit	706191						
TG 1000	Dual Receiver 470 - 789 MHz 470 - 698 MHz (without 608 - 614 MHz) 520 - 694 MHz 470 - 638 MHz & 650 - 758 MHz 470 - 714 MHz	708984 709123 709131 711381 709158			TG 500H-D 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712167 712175 712159 712191		
	Handheld Transmitter 470 - 789 MHz 470 - 698 MHz (without 608 - 614 MHz) 520 - 694 MHz 470 - 638 MHz & 650 - 758 MHz 470 - 714 MHz	711039 711047 711055 711063 711071			TG 500H-C 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712205 712213 712221 712264		
	TG V50w	711438	Moving coil (dynamic)	Cardioid	TG 550 Vocal Set 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712515 712523 712531 712566		
	TG V56w	711446	Condenser	Cardioid	TG 510 Instrument Set 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712388 712396 712418 712434		
	TG V70w	711454	Moving coil (dynamic)	Hypercardioid	TG 556 Vocal Set 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712574 712582 712590 712612		
	TG V90w	711462	Ribbon (dynamic)	Cardioid	TG 534 Headworn Set 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712442 712450 712469 712507		
	TG V96w	711470	Condenser	Cardioid	TG 558 Presenter Set 518 - 548 MHz 606 - 636 MHz 794 - 832 MHz 1780 - 1810 MHz	712620 712639 712647 712663		
	TG MM1w	712043	Condenser	Omnidirectional	TG L58 (TG) 706221	706221	Condenser	Omnidirectional
	Beltpack Transmitter 470 - 789 MHz 470 - 698 MHz (ohne 608 - 614 MHz) 520 - 694 MHz 470 - 638 MHz & 650 - 758 MHz 470 - 714 MHz	711942 711950 711969 711977 711985			TG L58 tan (TG) 705926	705926	Condenser	Omnidirectional
	Lemo-Version 470 - 789 MHz	708976			TG H56 (TG) 705888	705888	Condenser	Omnidirectional
	TG L58 (TG)	706221	Condenser	Omnidirectional	TG H56 tan (TG) 705853	705853	Condenser	Omnidirectional
	TG L58 tan (TG)	705926	Condenser	Omnidirectional	TG H57 tan (TG) 708941	708941	Condenser	Omnidirectional
	TG H56 (TG)	705888	Condenser	Omnidirectional	TG H74 (TG) 708364	708364	Condenser	Supercardioid
	TG H56 tan (TG)	705853	Condenser	Omnidirectional	TG H74 tan (TG) 708372	708372	Condenser	Supercardioid
	TG H57 tan (TG)	708941	Condenser	Omnidirectional	TG I56 (TG) 708348	708348	Condenser	Cardioid
	TG H74 (TG)	708364	Condenser	Supercardioid	TG I57 (TG) 708356	708356	Condenser	Cardioid
	TG H74 tan (TG)	708372	Condenser	Supercardioid	TG I58 Helix (TG) 708437	708437	Condenser	Omnidirectional
	TG I56 (TG)	708348	Condenser	Cardioid	WA-CD 711144	711144		
	TG I57 (TG)	708356	Condenser	Cardioid	WA-ATO 711586	711586		
	TG I58 Helix (TG)	708437	Condenser	Omnidirectional	WA-ATDA 711004	711004		
	WA-CD	711144			WA-ZAPD1 711217	711217		
	WA-ATO	711586			WA-AS6/2 711160	711160		
	WA-ATDA	711004			WA-AMP2 712035	712035		
	WA-ZAPD1	711217			WA-AC5 711543	711543		
	WA-AS6/2	711160			WA-AC10 711551	711551		
	WA-AMP2	712035			WA-AC25 711578	711578		
	WA-AC5	711543			MS 50 707732	707732		
	WA-AC10	711551			WA-CKL60 712809	712809		
	WA-AC25	711578			WA-ADF 712795	712795		
	MS 50	707732			WA-CGI 711608	711608		
	WA-CKL60	712809			WA-MC 711101	711101		
	WA-ADF	712795			WA-MS 711152	711152		
	WA-CGI	711608			WA-HHA-SHBY 711012	711012		
	WA-MC	711101						
WA-MS	711152							
WA-HHA-SHBY	711012							

OVERVIEW WIRELESS MICROPHONES















































Product name	Order #	Transducer type	Polar pattern	Product name	Order #	Transducer type	Polar pattern	
Opus 910	NE 911 502 - 574 MHz 574 - 646 MHz 646 - 718 MHz 718 - 790 MHz	705039 705047 705055 705063		Opus 910	TS 910 C 502 - 538 MHz 538 - 574 MHz 574 - 610 MHz 610 - 646 MHz 646 - 682 MHz 682 - 718 MHz 718 - 754 MHz 754 - 790 MHz	705616 705624 706532 705640 705659 705667 705675 705683		
	NE 912 502 - 574 MHz 574 - 646 MHz 646 - 718 MHz 718 - 790 MHz	705128 705136 705144 705152			TS 910 M 502 - 538 MHz 538 - 574 MHz 574 - 610 MHz 610 - 646 MHz 646 - 682 MHz 682 - 718 MHz 718 - 754 MHz 754 - 790 MHz	705764 705772 705780 705799 705802 705810 705829 705837		
	NE 914 502 - 574 MHz 574 - 646 MHz 646 - 718 MHz 718 - 790 MHz	705195 705209 705217 705225			TG L55 (OPUS) TG L55 tan (OPUS)	707201 707228	Condenser	Omnidirectional
	S 910 C 502 - 538 MHz 538 - 574 MHz 574 - 610 MHz 610 - 646 MHz 646 - 682 MHz 682 - 718 MHz 718 - 754 MHz 754 - 790 MHz	705462 705470 705489 705497 705500 705519 705527 705535			TG H56 (OPUS) TG H56 tan (OPUS)	708402 708410	Condenser	Omnidirectional
	S 910 M 502 - 538 MHz 538 - 574 MHz 574 - 610 MHz 610 - 646 MHz 646 - 682 MHz 682 - 718 MHz 718 - 754 MHz 754 - 790 MHz	705306 705314 705322 705330 705349 705357 705365 705373			TG H74 (OPUS) TG H74 tan (OPUS)	707090 707104	Condenser	Supercardioid
	DM 969 S	490512	Moving coil (dynamic)		TG I56 (OPUS)	707171	Condenser	Cardioid
	RM 510	703109	Ribbon (dynamic)		TG I57 (OPUS)	707198	Condenser	Cardioid
	CM 930 (B/S)	490539	True condenser		SLG 900	485292		
	DM 960	490490	Moving coil (dynamic)		WA-ATDA	711004		
	EM 981 S	490520	Condenser		WA-CGI	711608		
					WA-ZAPD1	711217		
					WA-MC	711101		
					ZAS 900	497541		
					AT 71	703796		
					AVK 800/1 TNC(M) AC7	473588		
			AVK 800/3 TNC(M) AC7	473596				
			AVK 800/10 TNC(M) AC7	473618				
			AVK 800/25 TNC(M) AC7	473626				
			OPUS 900/910 USB adapter	490776				



APPLICATION SHEET

MICROPHONES

TOURING GEAR – THE BEST LIVE MICROPHONE SERIES WE'VE EVER BUILT

																																													
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M SERIES – LEGENDARY MICROPHONES

			STAGE	STUDIO	BROADCAST
	M 88				 
	M 130			 	
	M 160	 		 	
	M 201	   		   	
	MC 840	 		     	
	MC 930	  		  	
	MC 950	    		    	
	MCE 85				 
	MM1				

APPLICATION SHEET

DRUM MICROPHONES

TOURING GEAR – THE BEST LIVE MICROPHONE SERIES WE'VE EVER BUILT

						
TG D35	TG D50	TG D57	TG D58	TG D70	TG D71	TG I53
					 	 

M SERIES – LEGENDARY MICROPHONES

				
M 130	M 201	MC 840	MC 930	MC 950
		 	 	 

TG DRUM SET **PRO S**



1x TG D35 1x TG D71 2x TG I53



TG DRUM SET **PRO M**



4x TG D35 1x TG D71 2x TG I53



TG DRUM SET **PRO L**



2x TG D57 2x TG D58 1x TG D71 2x TG I53



TG DRUM SET **PRO XL**



2x TG D57 3x TG D58 1x TG D71 2x MC 930 1x MC 950



