

BEYER DYNAMIC

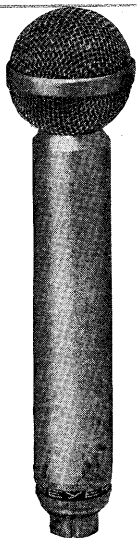
**ACOUSTICAL EQUIPMENT
FOR EVERY PURPOSE**



EUGEN BEYER

ELEKTROTECHNISCHE FABRIK · 71 HEILBRONN · THERESIENSTR. 8 · POSTE 170 · TEL. (07131) 82348 · FERNSCHR. 0728771

Dynamic Ribbon Microphones



M 160

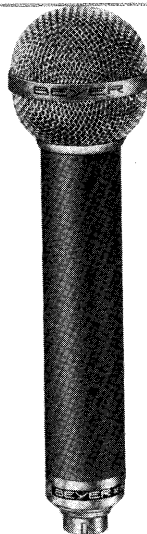
Dynamic Unidirectional Microphone for Studio Purposes

By using the double ribbon principle the highest possible reproduction quality of music and speech is guaranteed. Non-linear distortions are imperceptible.

Specifications:

Frequency Response: 40—18000 Hz. Output Level at 1 kHz: (O dbm \approx 1 mW per 10 μ bar) 0,1 mV/ μ bar (-57 dbm). Polar Pattern: Hypercardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3=200 ohms, 2=ground. Dimensions: 6" x 0.9", head 1.5" \varnothing .

Also available with Cannon connector XLR-3-50T.



M 260 M 260 SM

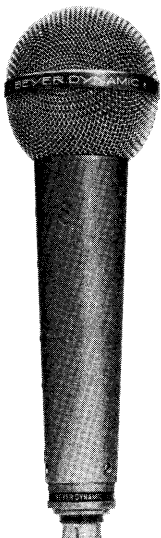
Dynamic Unidirectional Ribbon Microphone

The M 260 is especially suited for speech and music reproduction. It has excellent transmission qualities. The dampening effect backwards is almost constant over the whole frequency range.

Version SM with 3 position Voice-Off-Music switch.

Specifications:

Frequency Response: 50—18000 Hz. Output Level at 1 kHz: (O dbm \approx 1 mW per 10 μ bar) 0,09 mV/ μ bar (-58 dbm). Polar Pattern: Hypercardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3 = 200 ohms, 2=ground. Dimensions: 6.5" x 0.9", head 1,7" \varnothing . Also available with Cannon connector XLR-3-50T.



M 500 N

Dynamic Unidirectional Ribbon Microphone

A ribbon microphone designed for capturing the full intensity of modern music while suppressing undesirable side effects such as popping, breath

Specifications:

Frequency Response: 40—18000 Hz. Output Level at 1 kHz (O dbm \approx 1 mW per 10 μ bar) 0,13 mV/ μ bar \approx (-55 dbm). Polar Pattern: Hypercardioid. Output Impedance: 500 Ω \pm 15 %. Load Impedance: > 1000 Ω .

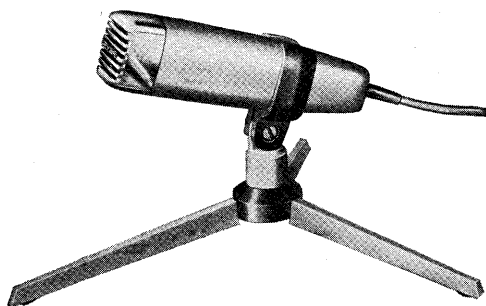


noise and hissing. Flat frequency response, high sensitivity and excellent front-to-back ratio are the distinguishing features of this new BEYER-DYNAMIC product.

Connectors: 3-pin Tuchel T 3262, 1+3=500 Ω , 2=ground M 500 N (T) = Tuchel T 3007 spez., 1+2 = 500 Ω , 3 = ground M 500 N (C) = Cannon XLR — 3 — 50 T, 2+3 = 500 Ω , 1 = ground. Dimensions: Head diameter 56 mm, shaft diameter 28 mm, length 180 mm, weight 210 g.

Upon Request: 200 Ω -Version

Dynamic Moving Coil Microphones



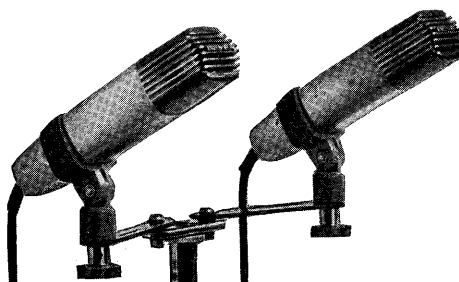
M 55 HL

Dynamic Moving Coil Microphone Omnidirectional, for Amateur Purposes

For use with any type of tape recorder. Wide frequency response. Solid metal housing, elegant styling. It can be connected to practically any low or high impedance tape recorder, since it has a matching transformer built into the connector. The M 55 is supplied with table stand St 300/30 and cable, and adapter for medium impedant tape recorder inputs.

Specifications:

Frequency Response: 70—16000 Hz. Output Level at 1 kHz: low Z: 0.17 mV/ μ bar \approx -53 dbm (O dbm \approx 1 mW per 10 μ bar) high Z: 1.5 mV/ μ bar = -56.5 db (O db \approx 1 V/ μ bar). Polar Pattern: Omnidirectional. Output Impedance: 500 ohms and 50 kohms. Connections: 6' 6" cable with 3-pin plug MAS 30, 2+3=500 ohms, 2=ground, 1+2=50 kohms. Dimensions: 1.2" x 1.2" x 4.5".



M 818 HL

Dynamic Stereo Twin Microphones

A matched pair of M 81 cardioid microphones for superior stereo recording. A/B or X/Y-M818 guarantees excellent results.



M 81 HL

Dynamic Unidirectional Microphone

Smartly styled all-metal moving coil microphone. Its high sensitivity and good directional effect enable the amateur to make surprisingly good recordings even under very unfavourable acoustical conditions.

It can be connected to practically any tape recorder, since it has a matching transformer built into the connector and is supplied with an adapter for medium impedant inputs. The microphone comes with table stand St 300/30 and cable.

Specifications:

Frequency Response: 50—16000 Hz. Output Level at 1 kHz: low Z: 0.23 mV/ μ bar (-50.5 dbm) (O dbm \approx 1 mW per 10 μ bar) high Z: 1.7 mV/ μ bar (-55.5 db) (O db \approx 1 V/ μ bar). Polar Pattern: Cardioid. Output Impedance: 500 ohms and 25 kohms. Connections: 6' 6" cable with 3-pin plug MAS 30, 2+3=500 ohms, 2=ground, 1+2=25 kohms. Dimensions: 1.2" x 1.2" x 5.2".



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Dynamic Ribbon Microphones



M 160

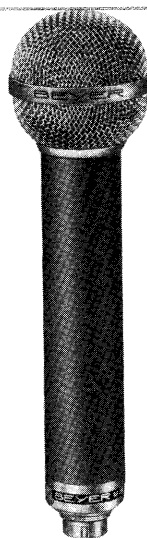
Dynamic Unidirectional Microphone for Studio Purposes

By using the double ribbon principle the highest possible reproduction quality of music and speech is guaranteed. Non-linear distortions are imperceptible.

Specifications:

Frequency Response: 40—18000 Hz. Output Level at 1 kHz: (O dbm \pm 1 mW per 10 μ bar) 0,1 mV/ μ bar (-57 dbm). Polar Pattern: Hypercardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3=200 ohms, 2=ground. Dimensions: 6" x 0.9", head 1.5" \varnothing .

Also available with Cannon connector XLR-3-50T.



M 260 M 260 SM

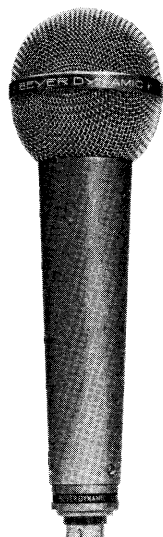
Dynamic Unidirectional Ribbon Microphone

The M 260 is especially suited for speech and music reproduction. It has excellent transmission qualities. The dampening effect backwards is almost constant over the whole frequency range.

Version SM with 3 position Voice-Off-Music switch.

Specifications:

Frequency Response: 50—18000 Hz. Output Level at 1 kHz: (O dbm \pm 1 mW per 10 μ bar) 0,09 mV/ μ bar (-58 dbm). Polar Pattern: Hypercardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3 = 200 ohms, 2=ground. Dimensions: 6.5" x 0.9", head 1.7" \varnothing . Also available with Cannon connector XLR-3-50T.



M 500 N

Dynamic Unidirectional Ribbon Microphone

A ribbon microphone designed for capturing the full intensity of modern music while suppressing undesirable side effects such as popping, breath

Specifications:

Frequency Response: 40—18000 Hz. Output Level at 1 kHz (O dbm \pm 1 mW per 10 μ bar) 0,13 mV/ μ bar \approx (-55 dbm). Polar Pattern: Hypercardioid. Output Impedance: 500 Ω \pm 15 %. Load Impedance: > 1000 Ω .

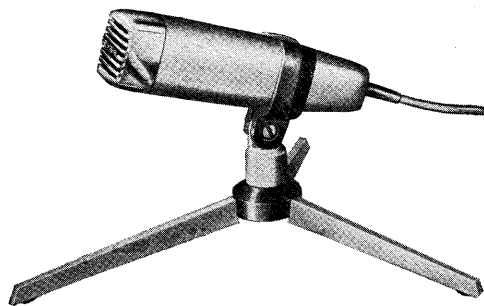


noise and hissing. Flat frequency response, high sensitivity and excellent front-to-back ratio are the distinguishing features of this new BEYER-DYNAMIC product.

Connectors: 3-pin Tuchel T 3262, 1+3=500 Ω , 2=ground M 500 N (T) = Tuchel T 3007 spez., 1+2 = 500 Ω , 3 = ground M 500 N (C) = Cannon XLR — 3 — 50 T, 2+3 = 500 Ω , 1 = ground. Dimensions: Head diameter 56 mm, shaft diameter 28 mm, length 180 mm, weight 210 g.

Upon Request: 200 Ω -Version

Dynamic Moving Coil Microphones



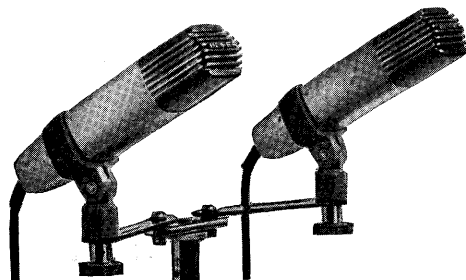
M 55 HL

Dynamic Moving Coil Microphone Omnidirectional, for Amateur Purposes

For use with any type of tape recorder. Wide frequency response. Solid metal housing, elegant styling. It can be connected to practically any low or high impedance tape recorder, since it has a matching transformer built into the connector. The M 55 is supplied with table stand St 300/30 and cable, and adapter for medium impedant tape recorder inputs.

Specifications:

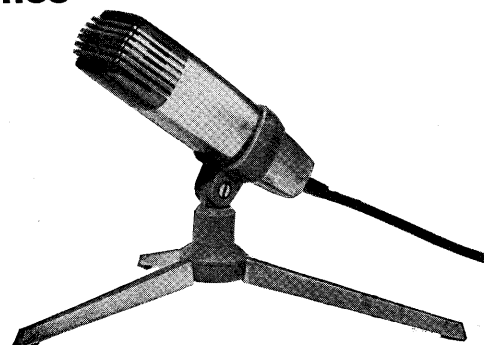
Frequency Response: 70—16000 Hz. Output Level at 1 kHz: low Z: 0.17 mV/ μ bar \approx -53 dbm (O dbm \pm 1 mW per 10 μ bar) high Z: 1.5 mV/ μ bar = -56.5 db (O db \pm 1 V/ μ bar). Polar Pattern: Omnidirectional. Output Impedance: 500 ohms and 50 kohms. Connections: 6' 6" cable with 3-pin plug MAS 30, 2+3=500 ohms, 2=ground, 1+2=50 kohms. Dimensions: 1.2" x 1.2" x 4.5".



M 818 HL

Dynamic Stereo Twin Microphones

A matched pair of M 81 cardioid microphones for superior stereo recording. A/B or X/Y-M818 guarantees excellent results.



M 81 HL

Dynamic Unidirectional Microphone

Smartly styled all-metal moving coil microphone. Its high sensitivity and good directional effect enable the amateur to make surprisingly good recordings even under very unfavourable acoustical conditions.

It can be connected to practically any tape recorder, since it has a matching transformer built into the connector and is supplied with an adapter for medium impedant inputs. The microphone comes with table stand St 300/30 and cable.

Specifications:

Frequency Response: 50—16000 Hz. Output Level at 1 kHz: low Z: 0.23 mV/ μ bar (-50.5 dbm) (O dbm \pm 1 mW per 10 μ bar), high Z: 1.7 mV/ μ bar (-55.5 db) (O db \pm 1 V/ μ bar). Polar Pattern: Cardioid. Output Impedance: 500 ohms and 25 kohms. Connections: 6' 6" cable with 3-pin plug MAS 30, 2+3=500 ohms, 2=ground, 1+2=25 kohms. Dimensions: 1.2" x 1.2" x 5.2".

BEYER DYNAMIC



SOUNDSTAR X 1

Dynamic Moving Coil Microphone

A moving coil microphone with features never before paralleled at this price. Streamlined design, for every purpose from studio work to amateurs' hobby. Pop filter and hum compensation built in. Version HLM with impedance selector switch.

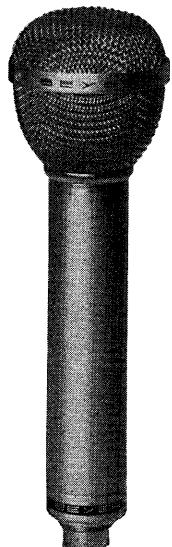
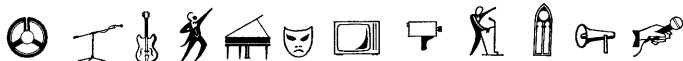
Specifications:

SOUNDSTAR X 1 N

Frequency Response: 30—18000 Hz. Polar Pattern: Cardioid. Output Level: 0,2 mV/μbar (-52 dbm), 0 dbm \pm 10 mW/μbar. Output Impedance: 200 Ω. Hum Induction Factor: 5μV/50 mG (50 Hz). Connections: 3 pin plug T 3262 1+3=200 Ω, 2=ground.

SOUNDSTAR X 1 HLM

Same as above, but with impedance selector switch 200 Ω — 500 Ω — 25 kΩ. Connections: 3-pin plug T 3262, 2+3=200 Ω, 2+1=500 Ω and 25 kΩ, 2=ground. All versions also available with Cannon plug XLR-3-50T or Tuchel T 3007 spez.



M 88 N

Dynamic Moving Coil Microphone

With hypercardioid characteristics and unusually high sensitivity. Due to its very good front to back ratio it is less subject to feedback and provides excellent discrimination against unwanted sound. It is used by broadcasting and TV-studios, recording artists, bands and instrumentalists.

Specifications:

Frequency Response: 30—20000 Hz. Output Level at 1 kHz: (0 dbm \pm 1 mW per 10 μbar) 0,25 mV/μbar (-50 dbm). Polar Pattern: Hypercardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3=200 ohms, 2=ground. Dimensions: 6.5" x 0.9", head 1.8" Ø.

Also available with cannon plug XLR-30-50 T (M 88 N (C))



M 67 N

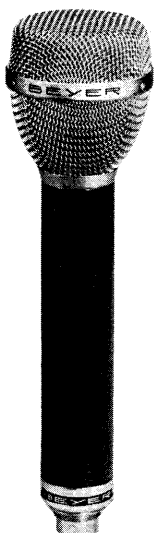
Dynamic Moving Coil Microphone

Elegantly styled and designed by BEYER DYNA-MIC. The cartridge is rubber-suspended to minimize body noise. The microphone is resistant to shock and can be used under any climatic condition. The high sensitivity and noise cancelling effect even at lowest frequencies make this microphone well suited for on-the-spot recordings. High-quality sound work and recording of speech and music even under the most unfavourable acoustical conditions. Equipped with built-in Speech-Music switch.

Specifications:

Frequency Response: 40—18000 Hz. Output Level at 1 kHz: (0 dbm \pm 1 mW per 10 μbar) 0,25 mV/μbar (-50 dbm). Polar Pattern: Cardioid. Output Impedance: 500 ohms. Connections: 3-pin plug T 3262 1+3=500 ohms, 2=ground. Dimensions: 7.8", 1.5" Ø.

On Request: 200 Ω-Version. Also available with Cannon connector XLR-3-50T.



M 69 M 69 SM

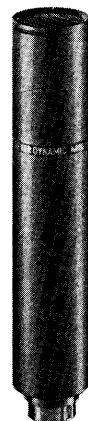
Unidirectional Studio Microphone

The M 69 is an unusually sensitive microphone with outstanding cardioid characteristics. It makes high-quality transcription possible even under acoustically unfavourable conditions. The well-balanced response curve of the microphone maintains the highest fidelity in the reproduction of speech and music. Version SM with VOICE-OFF-MUSIC switch.

Specifications:

Frequency Response: 50—16000 Hz. Output Level at 1 kHz: (0 dbm \pm 1 mW per 10 μbar) 0,24 mV/μbar (-50 dbm). Polar Pattern: Cardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3=200 ohms, 2=ground. Dimensions: 6.7" x 0.9" Ø, head 1.7" Ø.

Also available with Cannon connector XLR-3-50T.



M 101 N

Dynamic Moving Coil Microphone for Studio Purposes

Succeeding the famous M 100, the new BEYER DYNAMIC M 101 is an extremely small omnidirectional microphone for studio work. Weighing only 95 g, it is impervious to body noise and has an absolutely flat frequency response curve. Accepting speech modulated voltages up to 2 V, it can also be used as talk back microphone if necessary.

Specifications:

Frequency Response: 40—20000 Hz \pm 2,5 dB. Output Level at 1 kHz: (0 dbm \pm 1 mW/10 μbar) 0,13 mV/μbar (-55 dBm). Rated Impedance: 200 Ω \pm 15 %. Load Impedance: > 200 Ω. Polar Pattern: omnidirectional. Connectors N = Tuchel T 3262, 1+3 = 200 Ω, 2 = ground, N (C) = Cannon XLR, N (G) = 6-pin Tuchel. Dimensions: 22,5 mm Ø, length 118 mm, 95 g.



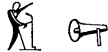
M 411 N (T)

Dynamic Unidirectional Moving Coil Microphone

A new close talk microphone for paging and public address systems. Extremely rugged, cardioid characteristics, very high front-to-back attenuation. Also available with ON-OFF switch or relay activator.

Specifications:

Frequency Range: 200—12000 Hz. Directional Characteristics: Cardioid. Sensitivity at 1 kHz: 0.14 mV/ μ bar. Rated Impedance: 200 Ω . Weight: 160 g. Connectors: 3 pin Tuchel T 3004. Version 411 N (T) S with switch.



M 410

Dynamic Unidirectional Moving Coil Microphone

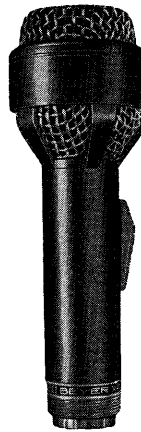
Especially developed for close range talking in commando and p. a. systems. Successfully used in busses, streetcars, railway stations, sports arenas, airports, etc. Very high front to back discrimination.

M 410 S with switch ON-OFF

M 410 SRL with switch for relay activation

Specifications:

Frequency Response: 300—12000 Hz. Output Level at 1 kHz: 0.25 mV/ μ bar (-50 dbm). Polar Pattern: Cardioid. Output Impedance: 200 Ω . Connections: 3 pin plug T 3004 1+2=200 Ω , 3=ground. Dimensions: Head 1.8" \varnothing , shaft \varnothing 1", length 5.5".



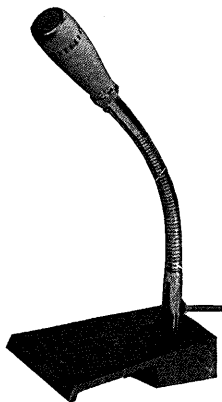
M 64 SH M 64

Dynamic Unidirectional Microphone - Moving Coil

Mounted on gooseneck Sh 11/200 with rigid baseplate St 200 and 5 ft. cable (free ends). Due to its outstanding cardioid pattern, it may be used successfully in conference and simultaneous translation installations. Excellent transmission of speech, small size.

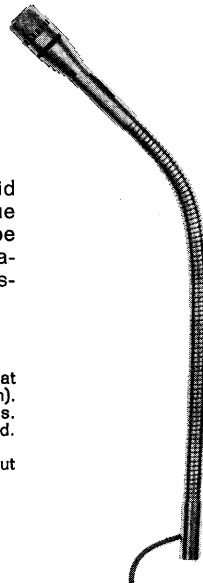
Specifications:

Frequency Response: 100—10000 Hz. Output Level at 1 kHz: (0 dbm \pm 1 mW per 10 μ bar) 0.2 mV/ μ bar (-52 dbm). Polar Pattern: Cardioid. Output Impedance: 200 ohms. Connections: 3-pin plug T 3262 1+3=ohms, 2=ground. Dimensions: 1" \varnothing , length 3.1". The above microphone can also be supplied without gooseneck and baseplate: Type M 64.



M 68

Firmly mounted on gooseneck 15/400 N with built-in-On-Off switch. Specifications as M 64.



M 57

Dynamic Moving Coil Hand Microphone

In order to meet the ever increasing demands, of radio amateurs, police, fire departments, taxi and aviation purposes, an unusually sturdy dynamic hand microphone has been designed. Since the M 57 is waterproof and resistant to shock and mechanical noise, it is ideally suited for portable and mobile use. The microphone is equipped with a push-to-talk switch.

Specifications:

Frequency Response: 300—4000 Hz. Output Level at 1 kHz: 0.2 mV/ μ bar. Polar Pattern: omnidirectional. Output Impedance: 200 ohms. Connections: retractable cord (extended length 3' 6"). M 57 V: Version with built-in preamplifier.



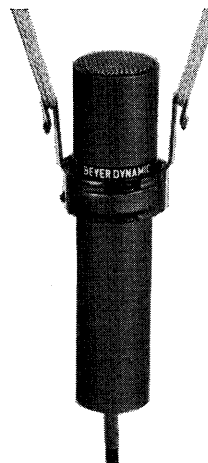
M 111 N

Dynamic Moving Coil Microphone

A new lavalier microphone which exactly matches the ideal frequency response curve for such microphones as determined by the German Institute of Radio Technology. Lavalier microphones are indispensable tools for TV, film, auditoriums, churches etc. The M 111 is the ideal supplement for BEYERDYNAMIC Wireless Microphone Transmitters „transistophone“.

Specifications:

Frequency Response: 60—15000 Hz. Output Level at 400 Hz (0 dbm \pm 1 mW/10 μ bar): 0.08 mV/ μ bar (-56 dBm). Polar Pattern: Omnidirectional. Rated Impedance: 200 Ω . Dimensions: 20 mm \varnothing , length 86 mm. Weight: 230 g including cable (length 10 m) and 3-pin plug T 3262 1+3 = 200 Ω , 2 = ground. Version M 111/1 for TS 73/TS 83.



TS 73

Pocket Transmitter

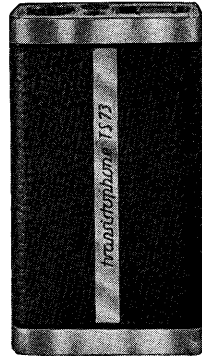
TS 83

Pocket Transmitter
With Built-in Limiter

Wireless microphone transmitters TS 73 and TS 83 can be operated with any low impedance dynamic microphone and a number of special condenser microphones, f. i. model KMA made by Georg Neumann, Berlin.

Specifications:

Frequencies: 2 between 32 and 44 MHz, spaced no more than 500 kHz and not less than 300 kHz. Radiated Power: TS 73 = 1 mW, TS 73/1 = 10 mW, TS 83 = 1 mW, TS 83/1 = 20 mW. Power Supply: 2 x 9 V, e.g. Pertrix 438. Battery Life: TS 73 and TS 83 appr. 15 hours, TS 73/1, TS 83/1 appr. 5 hours. Weight: appr. 200 grams incl. batteries.

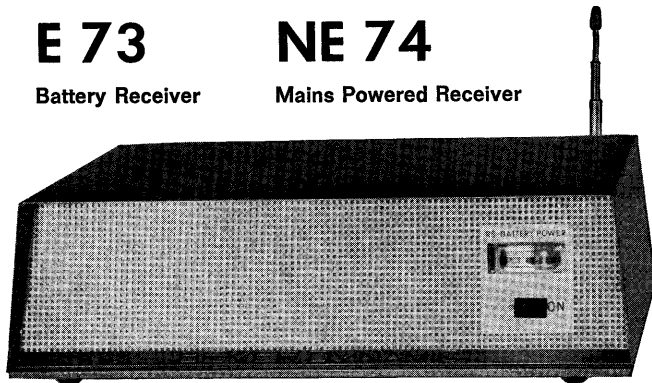


E 73

Battery Receiver

NE 74

Mains Powered Receiver



E 73

Stationary battery powered receiver, operation on mains possible, dual function signal strength / battery power meter, diversity operation.

Specifications:

Receiving Frequencies: 2, corresponding to transmitter. Outputs: 4, a) balanced 1,55 V, b) balanced 100 mV, c) earphone, impedance 5 Ω — 800 Ω, d) diversity. Squelch: adjustable. Power Supply: 9 V Pertrix 439 or equal or power pack. Dimensions: 310 x 180 x 110 mm. Weight: appr. 2,2 kg.

NE 74

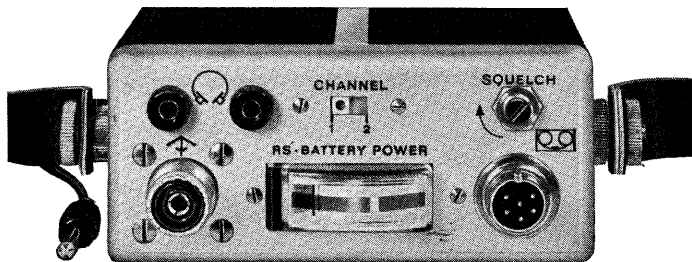
Stationary mains operated receiver with signal strength indicator, 3 outputs plus remote control for tape recorders, built-in monitoring amplifier with speaker.

Specifications:

Receiving Frequencies: 2, corresponding to transmitter. Outputs: 4, a) balanced 1,55 V, b) balanced 100 mV, c) diversity, d) tape recorder remote control. Amplifier: 0,5 W. Squelch: adjustable. Power Consumption: appr. 3 W (220 V AC).

TE 74

Portable Receiver



A portable fully transistorized receiver conceived mainly for field work. 2 outputs plus earphone monitoring connector. Combined signal strength / battery power meter, adjustable squelch.

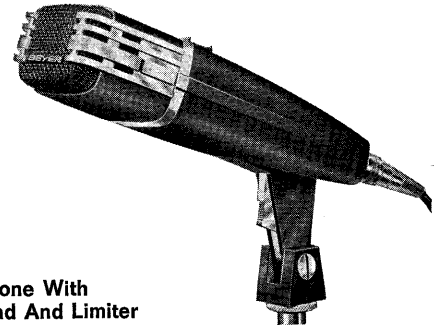
Specifications:

Receiving Frequencies: 2, corresponding to transmitter. Outputs: a) 1,55 V balanced, b) 100 mV balanced, c) Earphones, impedance 5 Ω — 800 Ω. Battery: 1 x 9 V, Pertrix 438 or equal. Battery Life: appr. 5 hours. Dimensions: 240 x 112 x 50 mm. Weight: appr. 950 gr.

BEYERDYNAMIC wireless microphone/receiver combinations are ideally suited for every form of professional and amateur work where trailing cables are undesirable. The wide range available offers a solution to every problem. Detailed literature available upon request.

SM 84

Wireless Microphone With
Exchangeable Head And Limiter



SM 84 can be operated cable bound or wireless. The microphone head is exchangeable to permit selection of omnidirectional or cardioid characteristics.

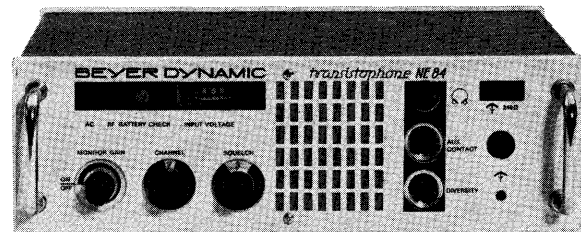
- a) Cablebound Operation (switch in position OFF)
Frequency range: 30—18.000 Hz. Connector: 3 pin DIN T3262.
Pin Configuration: N (1—3 = modulation, 2 = ground).
- b) Wireless Operation: (switch in position ON) vd. TS 83.
Power Supply: 1x9 V (f. i. Pertrix No. 438). Battery Life: appr. 7 hours. Dimensions: 170x50x41 mm.

Specifications:

Carrier Frequencies: 2 between 32 and 44 MHz, spaced no more than 500 KHz and not less than 300 kHz. Modulation: FM. Radiated Power: 1 mW. Frequency Deviation Control: 20 dB. Power Supply: 1 x 9 Volt, Pertrix 438 or equal. Battery Life: appr. 7 hours continuous operation. Dimension: 170 x 50 x 41 mm. Weight: 300 gr.

NE 84

Mains Powered Receiver

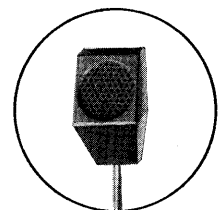


NE 84/12 multi-channel professional receiver for up to 12 frequencies in the range between 26—46 MHz.

NE 84/3 receiver for 3 channels (f. i. 36.7—37.1—37.9 MHz), outputs for amplifier and tape recorder. Diversity and headphone connections. Tape recorder remote control. Automatic switch to battery operation in case of mains failure. Dimensions: 285x162x55 mm. Weight: appr. 3 kg.

KMA

A miniature sized clip-on condenser microphone with FET impedance converter in one housing. Ideal for use with wireless microphone transmitter TS 73 and TS 83 transistophone.



Specifications:

Frequency range: 40—16000 Hz. Sensitivity (across 2,7 kΩ): ~ 0,5 mV/μbar. Source impedance: appr. 800 Ω (unbalanced). Operating voltage: 18 V ± 6 V DC (supplied by transmitter battery). Weight: 30 g without connector. Connector: Tuchel T 3400, 1+2=0 Volt, 3=audio output 6=+ 18 V.



DT 48



Long recognized as a first rate acoustical testing and measuring instrument, the DT 48 is unparalleled for sound reproduction. Used by radio, TV and sound studios as well as by scientific research labs. Available in mono or stereo.

Specifications:

Frequency Response: 16—20000 Hz. Output Level at 400 Hz and 1 mW: 112 db over $2 \cdot 10^{-4}$ μ bar. Available Impedances: 5 Ω /system or 25 Ω /system. Peak Power Limit: 0,2 W or max. 1 V at 5 Ω , 0,2 W or max. 2,25 V at 25 Ω . Connection: 5 ft. lead with open ends.



SOUND JUWEL DT 480

Dynamic Stereo Headphone



A new hallmark in high fidelity reproduction and wearing comfort. Designed for the ultimate in listening pleasure, this professional type headset fulfills every wish even the most demanding audiophile could have.

Specifications:

Frequency Response: 20—20000 Hz. Output Level at 400 Hz and 1 mW: 115 db over $2 \cdot 10^{-4}$ μ bar. Impedance: 200 Ω , lower impedances upon request. Peak Power Limit: 1 Watt. Rated Input: appr. 350 mVolts per cartridge. Connection cable: 5 ft. lead with open ends.

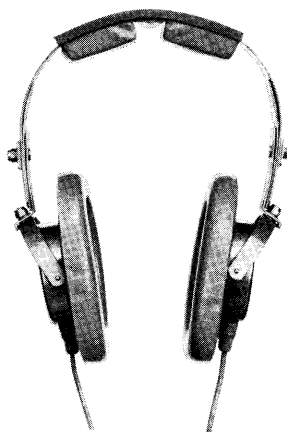
A light weight high fidelity headphone. Available accessories: small rubber ear muffs, large circumaural noise cancelling ear pads.

Specifications:

Frequency Response: 30—17000 Hz
Output Level at 400 Hz and 1 mW: 110 db over $2 \cdot 10^{-4}$ μ bar
Impedance: 400 Ω /cartridge or 50 Ω
Rated Input: appr. 600 mV/cartridge
Peak Power Load: 100 mW or 6,4 V per cartridge
Connection: Interchangeable cables
Connection cables: (length 5 ft.)
K 96.1, plug MAS 30 — Mono Series
K 96.2, plug MAS 30 — Mono Parallel
K 96.3, plug MAS 30 — Stereo for Control Box III
K 96.4, 2 plugs LS 7 — Stereo
K 96.5, Mono Series with jack plug
K 96.6, Mono Parallel with jack plug
K 96.7, Stereo with 3 pole jack plug
K 96.8, Stereo with 2 jack plugs
K 96.9, Mono Series with plug LS 7 and load resistance
K 96.10, Stereo with 2 plugs LS 2 and load resistors
K 96.11, Stereo with 2 plugs Tost 2
K 96.12, Stereo with 2 plugs LS 7 and 2 W load resistors
K 96.15, Stereo with plug MAS 50
K 96.16, 1 plug LS 7 — Mono Parallel
K 96.17, Mono Parallel with plug MAS 50 S

DT 96 A

Dynamic Stereo Earphone



DT 48 S

Dynamic Stereo Headphone



An earphone so good that it is used as a standard to measure others by, the DT 48 S is the version for home use of the DT 48. Comfortable headband with rubber head cushion, large circumaural earcups to shut out unwanted outside sound. The choice of the really demanding listener.

Specifications same as DT 48 standard.



DT 100

Dynamic Stereo Headphone



Brilliance of sound and high wearing comfort distinguish this new BEYER DYNAMIC product.

Specifications:

Frequency Response: 30—20000 Hz. Output Level at 400 Hz and 1 mW: 110 db over $2 \cdot 10^{-4}$ μ bar. Rated Input: appr. 600 mV per cartridge. Peak Power Load: 1 W or 20 V per cartridge. Impedance: $2 \times 400 \Omega$.



DT 900

Dynamic Stereo Headset



Lightweight, gaily colored and very comfortable to wear. And — of course — high fidelity.

Specifications:

Frequency Response: 30—18000 Hz. Output Level at 400 Hz and 1 mW: 114 dB over $2 \cdot 10^{-4}$ μ bar. Rated impedance: 600 Ω per cartridge. Required voltage: appr. 400 mV/cartridge. Maximum Load: 200 mW or 11V/cartridge. Connection cables: 900.4 = connector LS 7, 900.7 = jack plug, 900.10 = 5 pin DIN connector.



DT 109 DT 109 V

Dynamic Headphone —
Microphone Combination

A new headphone/microphone combination for heavy duty use in language training etc. All parts easily exchangeable. Comfortable to wear even over longer periods of time. Supplied with open end cable, series or parallel operation made in connector.

DT 109 V

Headphone/microphone combination with built-in induction loop receiver for use in language laboratories. ON-OFF switch, separate volume controls for phones and microphone, powered by 9 V battery. Technical Data: v. DT 109.

Specifications Headphone:

Impedance: 400 Ohms per cartridge (5—2000 Ω on request). Frequency Response: 30—15000 Hz. Sensitivity: 105 dB, rel. 2×10^{-4} μ bar ± 3 dB at 1 mW. Peak Load: 1 Watt or 20 V/cartridge. Rated Input: appr. 800 mV/cartridge.

Specifications Microphone:

Impedance: 200 Ohms (50—800 Ω on request). Output Voltage: appr. 2 mV (5 cm talking distance). Frequency Response: 40—12000 Hz (5 cm talking distance). Deviation from rated response: ± 4 dB. Directivity: Hypercardioid. Front-to-back Attenuation: > 30 dB.



DT 100 V

A high fidelity headset with a built-in induction receiver. No trailing cables, ideal for both home use and professional applications. Powered by 9 V battery, equipped with ON-OFF switch and volume control. Can also be used cable bound for stereo listening. Technical Data: v. DT 100.

DT 505 DT 507

Dynamic Miniature Earphones



Two miniature earphones of excellent sound quality. Model DT 505 developed mainly for use with dictating machines improves syllable intelligibility and increases efficiency of typist. Model DT 507 also for use with portable or pocket radios, cassette recorders and portable TV sets.

Technical Specifications DT 505:

Frequency Response: 20—12000 Hz. Sensitivity at 400 Hz and 1 mW: 115 db over 2×10^{-4} μ bar. Peak Load: 500 mW. Connection: 1,5 m cable with open end. Dimensions: \varnothing 23,5 mm, weight 9 g. This earphone is available with 15 Ω , 200 Ω , 400 Ω , 800 Ω or 2000 Ω rated impedance.



DT 98 A/B DT 99 A/B

Dynamic Headphone —
Microphone Combination

This combination of a high-fidelity headphone with a noise cancelling cardioid microphone has proved its value in hundreds of language training labs, conference installations, sound studios, aircraft communication etc. Specifications of headphone same as DT 96.

DT 98 A: Phones in Series

DT 98 B: Phones in Parallel

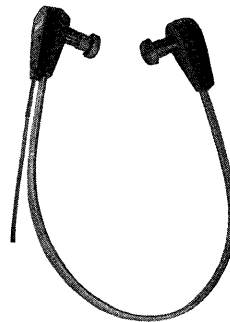
Connection: Interchangeable cables with different plugs, f.i. K 98.1, length 5 ft., plug MAS 50.

Microphones specifications:

Frequency Response: 40—15000 Hz (talking at 5 cm distance). Output Impedance: 200 Ω . Output Voltage: appr. 2 mV (talking at 5 cm distance). Front to back Ratio: > 30 db.

Dynamic Headphone — Microphone Combination DT 99 A/B

Same as DT 98 but with noise compensated bi-directional microphone.



DT 509

Dynamic Miniature
Twin Earphones



For monitoring and play back with tape recorders and dictating machines, successfully used in simultaneous translation and conference installations.

Excellent monaural or stereo reproduction characteristics.

Specifications:

Frequency Response: 20—12000 Hz. Output Level at 400 Hz and 1 mW: 114 db over 2×10^{-4} μ bar. Peak Load: 100 mW. Connection: 5 ft. cable with open ends. Available impedances: 5, 50, 200 Ω or 800 Ω .



DT 49

Dynamic Telephone-type Handset



Many music bars are equipped with this telephone-type handset. Dynamic headphones have the advantage of a reproduction free of linear and non-linear distortions. Best suited for listening to modern records which are exempt from background noise. Available in black, gray and ivory. Exchangeable foam-rubber earpads in red, green, blue, or pink.

Specifications:

Frequency Response: 30—13000 Hz. Output Level at 400 Hz and 1 mW: 111 db over 2×10^{-4} μ bar. Output Impedance: 15 ohms. Required Input Voltage: approx. 200 mV. Peak Power Limit: 0.4 W or max. 2.5 V. Connection: 2.5 ft. extensible lead with free ends. Dimensions: length 7.8".

Mounting and Cable Transformers - Plug-In Transformers

BEYER-DYNAMIC'S AF input transformers are made by a patented winding method similar to ring core transformers. They are famous for their small dimensions and high transmission quality. The world's largest and best known electronics manufacturers use these components in professional amplifiers, studio mixers and other equipment wherever highest demands are made in respect to frequency response, lowest distortion and insensitivity to stray magnetic and electric fields.

These transformers can however only be used in circuits where AC voltages are low and no DC loads are applied.

To match low Z dynamic microphones to medium and high Z amplifiers, our AF transformers of the series TR 710, TR 145 and TR 45 are also available in the form of cable transformers.

Mounting Transformers

3 different types of transformers are available for chassis mounting:

Miniature transformers TR 45/BV 35...
Professional quality
transformers TR 145/BV 35...
both versions either for threaded stud
mounting (S) or soldering (L)

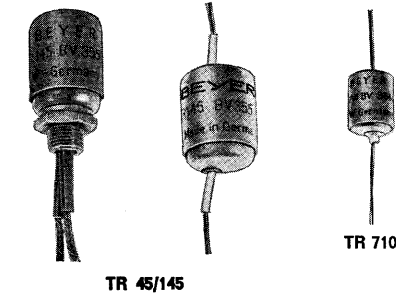
Subminiature
transformers TR 710/BV 35...
for solder mounting only

Here are a few examples:

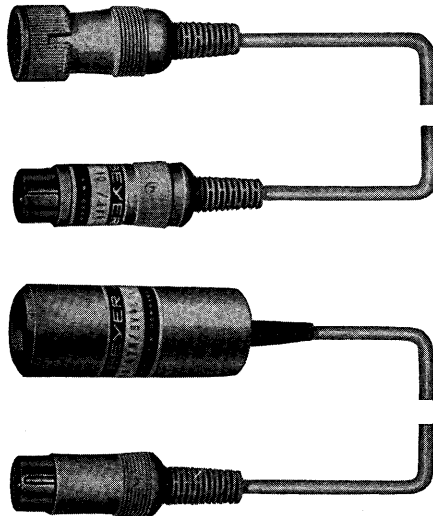
TR 145/BV 35803	1 : 3,2	} professional quality
TR 145/BV 35799	1 : 5	
TR 145/BV 35600	1 : 10	
TR 145/BV 35665	1 : 15	
TR 45/BV 35536	1 : 5	} standard version
TR 45/BV 35553	1 : 15	
TR 45/BV 35554	1 : 30	
TR 710/BV 35605	1 : 15	subminiature size

Model	Transmission Ratio and Impedances	Frequency Response	Matching Mike Cable	Cable Length	Pin Configura- tion
KTR 710/BV 40006	1:15 (200 Ω/ 45 kΩ)	50-15 000 Hz	(also with MKV 10 and MVK N-L)	0,5 m	L-H
7				2 m	
8				6 m	
9				10 m	
10				15 m	
KTR 710/BV 40011	1:15 (200 Ω/ 45 kΩ)	50-15 000 Hz	(also with MVK N-N)	0,5 m	N-H
12				2 m	
13				6 m	
14				10 m	
15				15 m	
KTR 710/BV 40105	1:2 (200 Ω/ 800 Ω)	40-15 000 Hz	(with MVK 10 and MVK N-L)	0,2 m	L-LM
KTR 47M/BV 40103	1:15 (200 Ω/ 45 kΩ)	30-20 000 Hz	(with MVK N-N)	0,2 m	N-H
KTR 47M/BV 40111	1:3,1 (200 Ω/ 2 kΩ)	40-20 000 Hz	(with MVK N-N)	0,2 m	N-LM
KTR 47M/BV 40102	1:15 (200 Ω/ 45 kΩ)	30-20 000 Hz	(with MVK N-N)	0,2 m	N-K
KTR 47M/BV 40121	1:15 (200 Ω/ 45 kΩ)	100-15 000 Hz	(with MVK N-N)	0,2 m	N-K
KTR 47M/BV 40063	1:20 (200 Ω/ 80 kΩ)	50-15 000 Hz	(with MVK N-L)	0,2 m	L-Ci
KTR 47M/BV 40090	1:20 (200 Ω/ 80 kΩ)	50-20 000 Hz	(with MVK N-N)	0,2 m	N-Ci
STR 710/BV 40052	1:20 (200 Ω/ 80 kΩ)	35-20 000 Hz	(with MVK-N-L)		L-Ci
STR 710/BV 40075	1:20 (200 Ω/ 80 kΩ)	35-20 000 Hz	(with MVK-N-L)		L-H
STR 710/BV 40082	1:15 (200 Ω/ 45 kΩ)	50-15 000 Hz	(with MVK N-N)		N-H

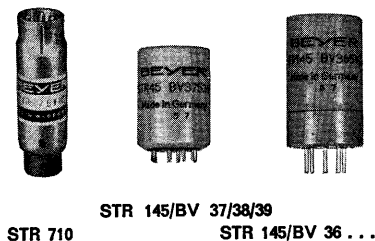
Transformers TR 45 and TR 145/BV 35... can also be supplied as plug-in models for 7 pin miniature tube sockets = STR 45/145/BV 36... or plug-in transformers with 7, 8 or 9 pins for printed circuit boards = STR 45/145/BV 37-38-39. In these versions the mu-metal shielded transformers are mounted in additional plastic housings with corresponding base plates.



Cable Transformers



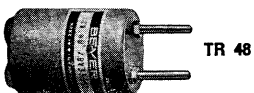
Plug-In Transformers



Special models: Transformers with other transmission ratios and matching can be developed and manufactured if quantity is sufficiently large.

Headphone Output Transformers

Matching transformers for headphone DT 48 built into connector.

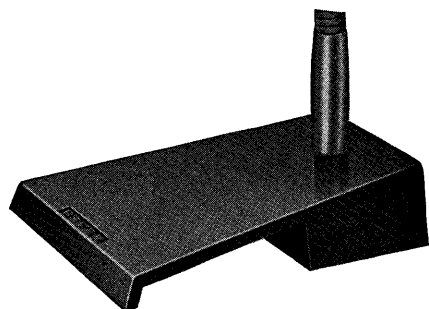


TR 48/BV 35558 R = 20 : 1 (4kOhm/10 Ohm)
TR 48/BV 35559 R = 14 : 1 (2kOhm/10 Ohm)

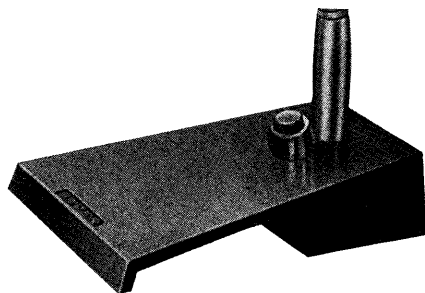
Individual data sheets available at request.

ACCESSORIES

TABLE STANDS

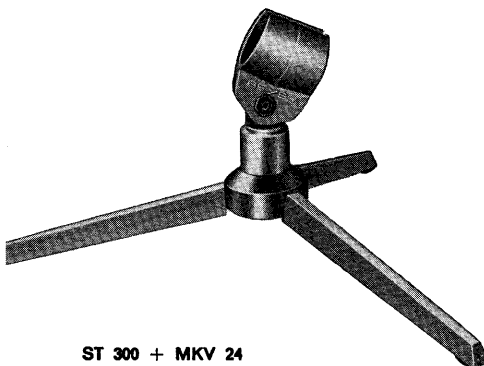


ST 200



ST 200.1

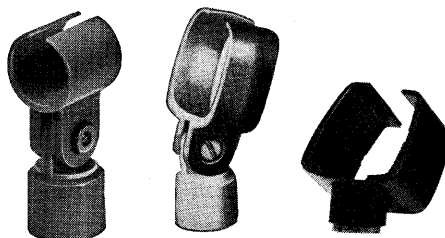
Table Stand, heavy duty type ST 200 for loose necks SH 11/200 N or 15/250 N (T)
ST 200.1 same as ST 200 but with push-to-talk button



ST 300 + MKV 24

Table Stand, tripod construction, foldaway type ST 300 high impact plastic, including lamp

MICROPHONE CLAMPS

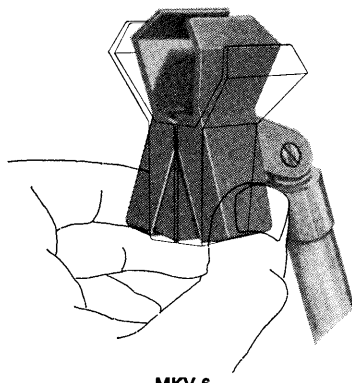


MKV 17

MKV 30

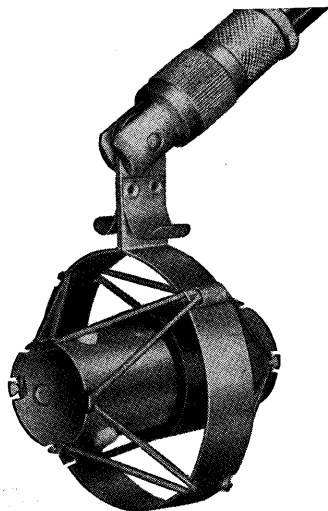
MKV X 1

MKV 17, MKV 22, MKV 24, MKV 27
for round microphone shafts of 0,7"/0,9"/1"/1,1" diameter, 3/8" thread, high impact plastic
MKV 30 for angular microphone shafts M 55, M 81, 3/8" thread, inside diameter 1,2", high impact plastic (ill. MKV 30)
MKV X 1
clamp for microphone Soundstar X 1



MKV 6

MKV 6 Speed Lock Clamp
for cylindrical and conical microphone shafts with diameters from 0,7" to 1,3", 3/8" thread



EA 24

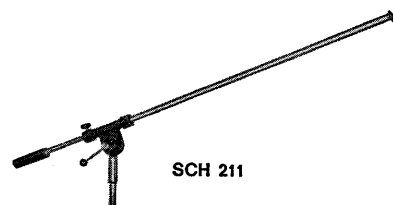
Elastic microphone suspension for microphones with shaft diameter of 20—27 mm



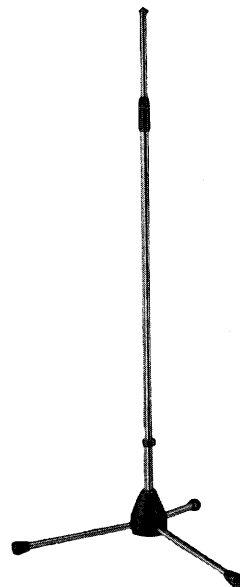
Stereo Rail ZMS 1

For mounting two microphones for stereo recordings. Distance between microphones 7,7"

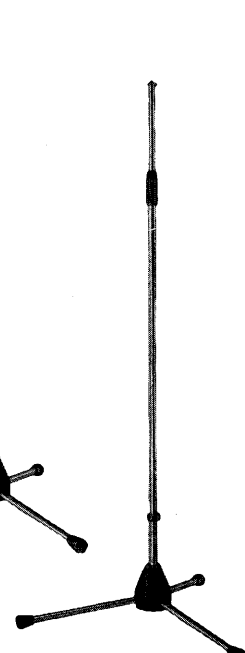
FLOOR STANDS



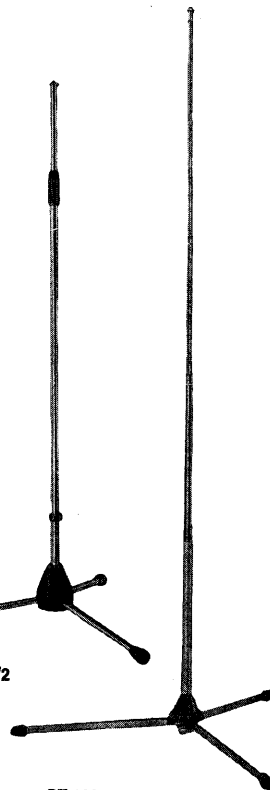
SCH 211



ST 201 A/1

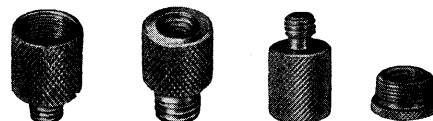


ST 201/2



ST 199

Solid — slim design — tread sound attenuated — light weight — the major attributes of BEYER-DYNAMIC floor stands.
ST 199 light weight, telescopes from 5" to 18", 3/8" thread, weight 2,9 lb
ST 201/1, standard model, noiselessly adjustable, with rubber shock absorbers, 3/8" thread, weight 6,8 lb
ST 201 A/1 like ST 201/1, heavy duty model, 3/8" thread
ST 201/2 like ST 201/1, foldaway legs
ST 201 A/2 like ST 201 A/1, foldaway legs
ST 205 A/1 light weight floor model, foldaway legs, 3/8" thread
ST 210/1 Combination of floor stand ST 201 A/1 with boom arm SCH 211
ST 210/2 Combination of floor stand ST 201 A/2 with boom arm SCH 211
ST 220 floor stand with tread sound attenuators



Thread Adaptors Metal

No. 216	5/8"	inside,	3/8"	outside
No. 217	3/8"	inside,	5/8"	outside
No. 218	1/2"	inside,	3/8"	outside
No. 219	3/8"	inside,	1/2"	outside

Plastic

No. 230	M 12	inside,	3/8"	outside
No. 231	1/2"	inside,	3/8"	outside
No. 232	5/8"	inside,	3/8"	outside

GOOSE NECKS



SH 18/400 (T) with female connector T3005, 1/2" internal thread, total length 15.7"
ZSH 31 base plate for SH 18/400 (T)

SH 15/200 with 3/8" internal thread and 3/8" external thread, length 8"

ZSH 30 base plate for SH 15/200

SH 18/400 N(T), total length 15.7", 20 ft. cable, switch built-in, connector T 3005, 3/8" thread on lower end

SH 11/200 with female connector T 3261, 3/8" internal thread, length 8"
ZSH 32 base plate for SH 11/200

SH 15/400 with female connector T 3261, 1/2" internal thread, total length 15.7"
ZSH 30 base plate for SH 15/400

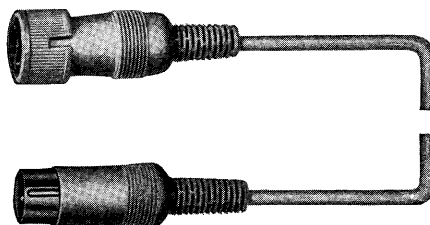
SHS 15/400 N with built-in ON/OFF switch, cable length 20 ft. female connector T 3261/1, length 15.7"

SHK 11/200 N-HL, length 8" with transformer and 20 ft. cable

SHK 11/200 N, length 8", cable 1' 3"

MICROPHONE EXTENSION CABLES

Extension cables to connect microphones to amplifiers, tape recorders, etc. Threaded female connector on mike side, 3 pin diode plug on other side.



MVK N, length 5 m, 3-pin DIN female connector, 1-3, open end

MVK N(T), length 5 m, 3-pin female connector T 3080, open end

MVK N(C), length 5 m, 3-pin Cannon connector, open end

MVK N-N, as MVK N, but with 3-pin diode plug MAS 30, 1-3, 2

MVK N(T)-N, as MVK N(T), but with 3-pin diode plug MAS 30, 1-3, 2

MVK N(T)-N(T), as MVK N(T), but with Tuchel connector T 3079/2, 1-2, 3

MVK N-L, as MVK N, but with 3-pin diode plug MAS 30, 2-3

MVK N-CI, with Cinch

MVK N-K, with Jack

MVK L-N, to connect X 1 HLM to balanced low impedant amplifier inputs with 3-pin DIN sockets

MVK H-K, to connect X 1 HLM to amplifiers with jack input

MVK 10 / 2 / 6 / 10 m, extension cable for M 55 HL, M 81 HL, Mak 30, 2-3; Mas 30, 1/3-2

SVK SM/N-N, length 5 meters, Voice-Music switch built into connector

SVK ON-OFF/NN, length 5 meters, with ON-OFF switch built into connector

MZKS AE

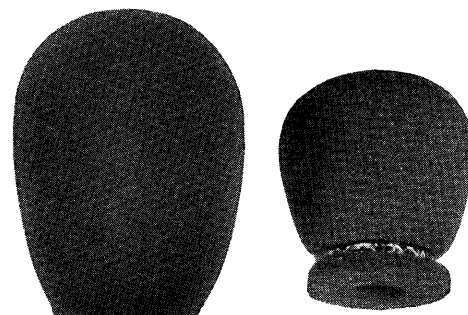
Cable link adapter with ON-OFF switch, DIN male and female connector

MZKS SM

Cable link adapter with Voice-Music switch, DIN male and female connector

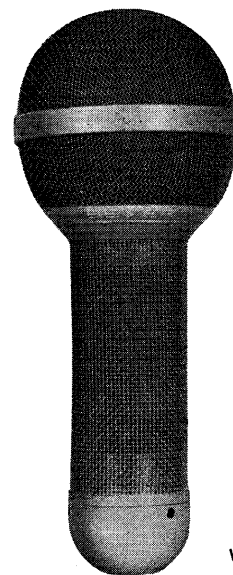


MICROPHONE WINDSCREENS



WS X 1

WS 69

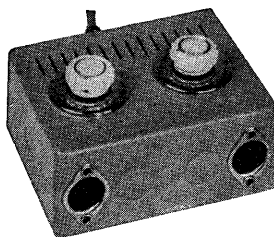


WS 86

WS 86 for professional use in field work offers complete protection against wind and hand noise.

WS 67 } Light weight foam material
WS 69 } windscreens for protection
WS 81 } against pop, breath and wind
WS 260 } noise. Available in red, blue
WS X 1 } gray, green and yellow.

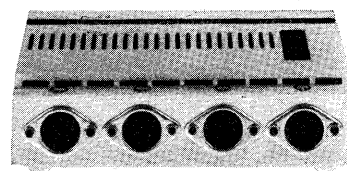
HEADPHONE ACCESSORIES



Monitoring Sets R1/R2/R3

These control boxes permit the individual setting of the volume on the headset. They are connected to the speaker output of radio and TV sets or tape recorders.

Please ask for detailed information.















Voltage Divider UG 11

Prevents overloading of headsets in direct connection with power amplifiers. 4 stereo headsets, 2 loudspeakers and 2 amplifier-channels can be connected simultaneously. Selection of reproduction via headset or speaker by switch.

Available with DIN or jack connectors.

Table of Applications

Microphone	 Hobby Taping	 Professional Recording	 Dance Bands	 Singers Vocalists	 Orchestras	 Theater	 Radio and TV	 Hobby Filming	 Speakers	 Churches	 P. A. Systems	 Reporter
I 160		×	×	×	×	×	×		×	×		×
I 260 / M 260 SM	×	×	×	×					×	×		
I 320		×	×	×								
I 360		×	×	×	×		×					
I 500 N		×	×	×			×					
I 1 N / X 1 HLM	×	×	×	×	×	×	×	×	×	×		×
I 1 N (T)		×		×	×	×	×		×	×	×	×
I 55 HL	×							×				
I 57											×	
I 64/M 64 SH/M 68									×	×	×	
I 67 N	×	×	×	×	×	×		×	×			×
I 69 / M 69 SM	×	×	×	×	×			×	×			×
I 81 HL / M 818 HL	×							×	×			×
I 88 N		×	×	×	×	×	×		×	×		×
I 101 N		×			×	×	×					×
I 111 N							×		×	×		×
I 410/M 410 S/SRL									×		×	
I 411 N (T)									×		×	

Our agents:

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1 Berlin 62, Berchtesgadener Straße 18—19,
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Telefon (04 11) 24 64 51, Telex 214030

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Hanns Schaefer
3 Hannover, Hagenstraße 26,
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ARISTON GMBH
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Bruxelles - 3

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Gebauersgade 4
Aarhus - C

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Schaeffer, Riesser & Cie.
14bis, Rue Marbeuf
Paris - 8

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Beyerdynamic (G. B.) Ltd.
1, Clair Road
Haywards Heath / Sussex

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Società Italiana Telecomunicazioni
Siemens S.P.A.
Piazzale Zavattari
Casella Postale 3981
Milano

Netherlands
Electric Sound
Huidenstraat 26
Amsterdam/C

Norway
NEBB Aktieselskapet
Norsk Elektrisk & Brown Boveri
Schliessfach 429, Sentrum
Oslo - 1

Austria
Max Treichl
Anichstr. 13
Innsbruck

Portugal
Centelec
Av. Fontes Pereira de Melo 47,4-D
Lisboa - 1

Sweden
Arthur Rydin
Spaongavägen 399—401
S 16355 Spaonga

Switzerland
Ela AG
Althardtstr. 158
8105 Regensdorf - ZH

Spain
Jesús Briso-Montiano Moral
82, Avda. José Antonio
Madrid - 13

OVERSEAS

Australia
Simon Gray Pty. Ltd.
28, Elizabeth Street
Melbourne C. 1.

Canada
J.-M. Schütt-Ainé Cie.
7655 Verdier
Montreal 38, Que.

Hongkong
The Radio People Ltd.
25 Chatham Road
Kowloon

Luanda
Intertrónica, Lda.
Av. da Boavista, 1 BV 2
C. P. 5079
Luanda, Angola/Africa

Moçambique
A. N. Gonçalves Lda.
P. O. Box 107
Lourenço Marques, Moçambique

Philippines
G. Magnus
P. O. Box 2075
Manila

Rhodesia
William Over and Co. (PVT) Ltd.
P. O. Box 441
Salisbury C. 1., Rhodesia

Singapore / Malaysia & Brunei
Eastland Trading Co. Ltd.
No. 1 Prince Street
Singapore

Union of South Africa
Vitaphone Pty. Ltd.
Cnr. Jeppe & Nugget Sts.
P. O. Box 4637
Johannesburg

South America
Estemac Aussenhandelsges. mbH.
Alter Teichweg 67
2000 Hamburg - 43/Westdeutschland

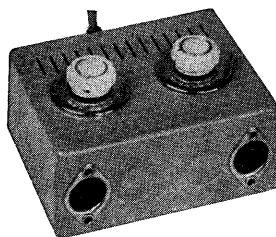
Taiwan
Linfair Engineering & Trading Ltd.
No. 12 Shaohsing Road South
Taipei, Taiwan, China

Thailand
Central Trading Co. Ltd.
677-681 Chakrapetr Road
Wang Burapha
Bangkok

USA
Gotham Audio Dev. Corp.
2 West 46th Street
New York - 36, N. Y.

Revox Corporation
155, Michael Drive
Syosset - N. Y.

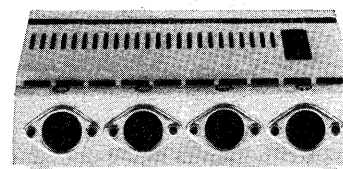
HEADPHONE ACCESSORIES



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Please ask for detailed information.















Voltage Divider UG 11

Prevents overloading of headsets in direct connection with power amplifiers. 4 stereo headsets, 2 loudspeakers and 2 amplifier-channels can be connected simultaneously. Selection of reproduction via headset or speaker by switch.

Available with DIN or jack connectors.

Table of Applications

Microphone	 Hobby Taping	 Professional Recording	 Dance Bands	 Singers Vocalists	 Orchestras	 Theater	 Radio and TV	 Hobby Filming	 Speakers	 Churches	 P. A. Systems	 Reporter
M 160		×	×	×	×	×	×		×	×		×
M 260 / M 260 SM	×	×	×	×					×	×		
M 320		×	×	×								
M 360		×	×	×	×		×					
M 500 N		×	×	×			×					
X 1 N / X 1 HLM	×	×	×	×	×	×	×	×	×	×		×
X 1 N (T)		×		×	×	×	×		×	×	×	×
M 55 HL	×							×				
M 57											×	
M 64/M 64 SH/M 68									×	×	×	
M 67 N	×	×	×	×	×	×		×	×			×
M 69 / M 69 SM	×	×	×	×	×			×	×			×
M 81 HL / M 818 HL	×							×	×			×
M 88 N		×	×	×	×	×	×		×	×		×
M 101 N		×			×	×	×					×
M 111 N							×		×	×		×
M 410/M 410 S/SRL									×		×	
M 411 N (T)									×		×	

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