S 600

UHF Handheld Transmitter



S 600 + DM 960



S 600 + DM 969



S 600 + EM 981

Features

- Modular design with interchangeable microphone capsules
- On/Off switch
- Power on LED
- Plastic housing
- ACT function (Automatic Channel Targeting) for automatic frequency setting
- Integrated antenna
- Powered by two AA-batteries (1.5 V)

Optional Accessories

DM 960 B	Dynamic, hypercardioid, black	Order # 490.490
DM 960 S	Dynamic, hypercardioid, silver	Order # 490.504
DM 969 S	Dynamic, supercardioid, silver	Order # 490.512
EM 981 S	Electret condenser, cardioid, silver	Order # 490.520

Applications

The S 600 handheld transmitter is ideal for musicians or actors on stage, presenters and moderators in meetings, sports events, hotels, universities or houses of worship. The modular design allows the use of different microphone heads for various applications.

The S 600 operates in the frequency range 506 - 530 MHz, 668 - 692 MHz, 774 - 798 MHz, 790 - 814 MHz or 841 - 865 MHz. The battery capacity is displayed by an LED when it is decreasing.

Due to the pilot tone system there is no mute switch needed, because the receiver is automatically muted when the transmitter is switched off.

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S 600

Versions

S 600	UHF handheld transmitter, plastic housing, black, 506 - 530 MHz	Order # 701.157
S 600	same as above, but 668 - 692 MHz	Order # 701.165
S 600	same as above, but 774 - 798 MHz*	Order # 701.173
S 600	same as above, but 790 - 814 MHz**	Order # 701.343
S 600	same as above, but 841 - 865 MHz**	Order # 701.181
SDM 660	UHF handheld transmitter, plastic housing, DM 960 microphone capsule, 506 - 530 MHz	Order # 700.932
SDM 660	same as above, but 668 - 692 MHz	Order # 700.940
SDM 660	same as above, but 774 - 798 MHz*	Order # 700.959
SDM 660	same as above, but 790 - 814 MHz**	Order # 701.300
SDM 660	same as above, but 841 - 865 MHz**	Order # 700.967
SDM 669	UHF handheld transmitter, plastic housing, DM 969 microphone capsule, 506 - 530 MHz	Order # 700.975
SDM 669	same as above, but 668 - 692 MHz	Order # 700.983
SDM 669	same as above, but 774 - 798 MHz*	Order # 700.991
SDM 669	same as above, but 790 - 814 MHz**	Order # 701.297
SDM 669	same as above, but 841 - 865 MHz**	Order # 701.009
SEM 681	UHF handheld transmitter, plastic housing, EM 981 microphone capsule, 506 - 530 MHz	Order # 701.017
SEM 681	same as above, but 668 - 692 MHz	Order # 701.025
SEM 681	same as above, but 774 - 798 MHz*	Order # 701.033
SEM 681	same as above, but 790 - 814 MHz**	Order # 701.335
SEM 681	same as above, but 841 - 865 MHz**	Order # 701.041

Sets

Opus 660	Set consisting of: NE 600 S one-channel receiver and SDM 660 microphone, incl. soft case, batteries, mounting brackets and power supply unit, 506 - 530 MHz	Order # 700.622
	same as above, but 668 - 692 MHz	Order # 700.673
	same as above, but 774 - 798 MHz*	Order # 700.746
	same as above, but 790 - 814 MHz**	Order # 700.797
	same as above, but 841 - 865 MHz**	Order # 700.843
Opus 669	Set consisting of: NE 600 S one-channel receiver and SDM 669 microphone, incl. soft case, batteries, mounting brackets and power supply unit, 506 - 530 MHz	Order # 700.630
	same as above, but 668 - 692 MHz	Order # 700.681
	same as above, but 774 - 798 MHz*	Order # 700.754
	same as above, but 790 - 814 MHz**	Order # 700.800
	same as above, but 841 - 865 MHz**	Order # 700.851
Opus 681	Set consisting of: NE 600 S one-channel receiver and SEM 681 microphone, incl. soft case, batteries, mounting brackets and power supply unit, 506 - 530 MHz	Order # 700.649
	same as above, but 668 - 692 MHz	Order # 700.703
	same as above, but 774 - 798 MHz*	Order # 700.762
	same as above, but 790 - 814 MHz**	Order # 700.819
	same as above, but 841 - 865 MHz**	Order # 700.878

Technical Specifications

Polar pattern	Hypercardioid (SDM 660) Supercardioid (SDM 669) Cardioid (SEM 681)
Transducer type	Dynamic (SDM 660, SDM 669) Electret condenser (SEM 681)
Frequency range	506 - 530 MHz 668 - 692 MHz 774 - 798 MHz* 790 - 814 MHz** 841 - 865 MHz**
Modulation	FM
Nominal deviation	± 40 kHz
Radiated transmitter power	10 mW
Compander system	NE572
Max. SPL	146 dB
AF transmission range	
SDM 660	55 - 18,000 Hz (close miking 2 cm) at 80 dB SPL
SDM 669	65 - 16,000 Hz (close miking 2 cm) at 80 dB SPL
SEM 681	50 - 18,000 Hz (close miking 2 cm) at 80 dB SPL
Rear attenuation	
SDM 660	-20 dB at 1 kHz / 120°
SDM 669	-15 dB at 1 kHz / 145°
SEM 681	-15 dB at 1 kHz / 180°
Signal-to-noise ratio	> 110 dB
T.H.D.	< 0.5% at 1 kHz
Transmission range	100 m
Power supply	2 x 1.5 V batteries (AA)
Current consumption	approx. 85 mA
Operating time	> 20 hours with alkaline batteries
Dimensions	
Length S 600	188 mm
Shaftø S 600	38 mm
Weight with batteries	163 g

***Not for use in the USA **Not for use in the USA or Canada**

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S 600

Microphone Heads



DM 960 B



DM 960 S

DM 960

- Dynamic
- Hypercardioid
- Extremely high gain before feedback
- Available in silver (DM 960 S) and black (DM 960 B)

The DM 960 microphone head is suitable for close miking of vocals especially pop, soul or jazz. The hypercardioid polar pattern provides maximum gain before feedback. Due to the close miking effect and the bass boost the DM 960 features a powerful and smooth sound with transparent highs.



DM 969

- Dynamic
- Supercardioid
- Very high gain before feedback

The DM 969 microphone head is suitable for vocals. The frequency response is flat and wide for a true sound reproduction. Due to the supercardioid polar pattern the DM 969 provides a high gain before feedback.

Techncial Specifications

Type	**DM 960**	**DM 969**
Polar pattern	Hypercardioid	Supercardioid
Transducer type	Dynamic	Dynamic
Frequency response	90 - 16,000 Hz	95 - 14,000 Hz
Nominal impedance	280 Ω	290 Ω
Load impedance	1 kΩ	1 kΩ
Open circuit voltage	3 mV / Pa	2.5 mV / Pa
Magnetic field suppression	> 20 dB at 50 Hz	> 20 dB at 50 Hz
Dimensions		
Head diameter	54 mm	50 mm
Shaft diameter	38 mm	38 mm
Length	109.5 mm	106.5 mm
Weight	approx. 175 g	approx. 125 g

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S 600

Microphone Heads



EM 981

- Electret condenser
- Cardioid
- High SPL capability

The EM 981 microphone head can be used for many applications such as solo vocals, conferences or speech. The cardioid polar pattern achieves a high gain before feedback.

Tecnical Specifications

Type	**EM 981**
Polar pattern	Cardioid
Transducer type	Electret condenser
Frequency response	50 - 18,000 Hz
Nominal impedance	190 Ω
Load impedance	1 kΩ
Open circuit voltage	3.2 mV / Pa
Max. SPL (w/out pre-attenuation)	146 dB
Signal-to-noise ratio	60 dB
A-weighted equivalent SPL	26 dB
Dimensions	
Head diameter	48 mm
Shaft diameter	38 mm
Length	105.5 mm
Weight	approx. 175 g

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