

NE 600

UHF Diversity Receiver



FEATURES

- UHF diversity receiver with PLL synthesizer technology as one-channel (NE 600 S) or, two-channel version (NE 600 D)
- Suitable for 19" rack mounting, 1 U

Front view

- On/off switch with power on LED
- Scan button
- Channel display
- RF level indicator
- AF level indicator
- ACT button

Rear view

- Removable TNC antennae
- Antenna inputs (TNC sockets) with power supply for antenna amplifiers
- AF output, 3-pin XLR, balanced
- AF output, 1/4" jack (6.35 mm), unbalanced
- Mic/Line level switch
- Adjustable squelch

APPLICATIONS

The NE 600 UHF diversity receiver with PLL synthesizer technology is suitable for a variety of applications: For example for musicians or actors on stage, presenters and moderators in meetings, sports events, hotels, universities and houses of worship. The receiver is available in two versions as one-channel (NE 600 S) or two-channel receiver (NE 600 D) with integrated antenna splitter and mix output. The NE 600 operates in the frequency range from 506 to 530 MHz, 668 to 692 MHz, 774 to 798 MHz, 790 to 814 MHz and 841 to 865 MHz. Within these frequency ranges one of 16 pre-programmed frequencies can be selected. The Scan function is used to start an automatic search for interference-free frequencies. The found frequency is transmitted to the transmitter with the ACT function (Automatic Channel Targeting). The frequency presets can also be selected manually. LEDs display all operating parameters such as RF and AF level or the selected frequency preset. A sophisticated, adjustable squelch system monitors the operating and level states of the system. The pilotone-controlled AF-mute suppresses noise and mutes the receiver when the appropriate transmitter is switched off. The Opus 600 system features reliability, easy handling, superior operating time of the transmitter battery and flexibility due to interchangeable microphone capsules. The one-channel receiver is also available in pre-configured sets with a rugged soft case.

NE 600

VERSIONS

NE 600 D	Two-channel true diversity receiver, 506 - 530 MHz	Order # 701.246
NE 600 D	same as above, but 668 - 692 MHz . . .	Order # 701.254
NE 600 D	same as above, but 774 - 798 MHz* . .	Order # 701.262
NE 600 D	same as above, but 790 - 814 MHz** .	Order # 701.327
NE 600 D	same as above, but 841 - 865 MHz** .	Order # 701.270
NE 600 S	One-channel true diversity receiver, 506 - 530 MHz	Order # 700.894
NE 600 S	same as above, but 668 - 692 MHz . . .	Order # 700.908
NE 600 S	same as above, but 774 - 798 MHz* . .	Order # 700.916
NE 600 S	same as above, but 790 - 814 MHz** .	Order # 700.319
NE 600 S	same as above, but 841 - 865 MHz** .	Order # 700.924

OPTIONAL ACCESSORIES

Antenna splitter

ZAS 800	Antenna splitter, active, 19" housing, incl. cable set, 740 - 764 MHz	Order # 467.073
ZAS 800	same as above, but 774 - 798 MHz* . .	Order # 473.081
ZAS 800	same as above, but 790 - 814 MHz** .	Order # 491.667
ZAS 800	same as above, but 841 - 865 MHz** .	Order # 491.675

Antennae

AT 70 A/B	Set UHF antenna set for NE 900, incl. 2 x AT 70 B TNC antenna amplifiers, 2 x AT 70 TNC antenna and 2 x MS 10 mounting kit	Order # 459.976
FBC 71	Cable rear-to-front for NE 900, ZAS 800	Order # 469.823
FB 71	Mounting bracket, metal, for mounting one NE 600 S receiver into a 19" rack, 1 U.	Order # 469.793
FB 72	Mounting bracket, metal, for mounting two NE 600 S receivers or one NE 600 D receiver into a 19" rack, 1 U.	Order # 469.807

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
Opus 600	Set consisting of: NE 600 S one-channel receiver and TS 600 belt-pack transmitter, incl. soft case, batteries, mounting brackets and power supply unit, 506 - 530 MHz . . .	Order # 701.106
	ame as above, but 668 - 692 MHz . . .	Order # 701.114
	same as above, but 774 - 798 MHz* . .	Order # 701.122
	same as above, but 790 - 814 MHz** .	Order # 701.130
	same as above, but 841 - 865 MHz** .	Order # 701.149

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

NE 600

TECHNICAL SPECIFICATIONS

Operating principle	True diversity receiver (UHF)
Frequency range	506 - 530 MHz 668 - 692 MHz 774 - 798 MHz* 790 - 814 MHz** 841 - 865 MHz**
Power consumption	NE 600 S: 6 W NE 600 D: 15 W
Power consumption in stand-by mode	NE 600 S: 1.5 W NE 600 D: 2.5 W
Switching bandwidth	24 MHz
Sensitivity	2 μ V
Antenna connection	2 x TNC
Nominal deviation	\pm 40 kHz

Output level	1.2 V
Compander system	NE572
Signal-to-noise ratio	> 110 dB(A)
T.H.D.	< 0.5% at 1 kHz
Squelch	2 μ V - 1 mV, adjustable
Power supply	12 V - 15 V DC
Mains	100 V - 240 V AC
Dimensions	
NE 600 S (L x B x H)	210 x 235 x 43 mm
NE 600 D (L x B x H)	420 x 204 x 44 mm
Weight	
NE 600 S	1.1 kg (without power supply unit)
NE 600 D	2.2 kg
Minimum distance of the profiles when mounting into a 19" rack	446 mm

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