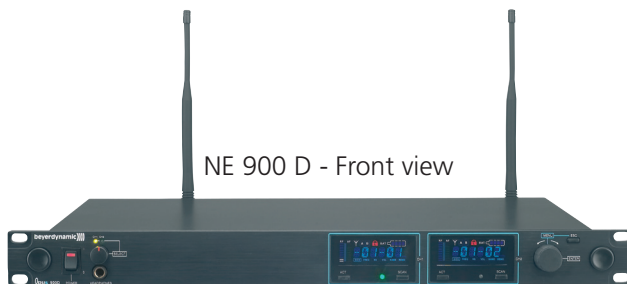
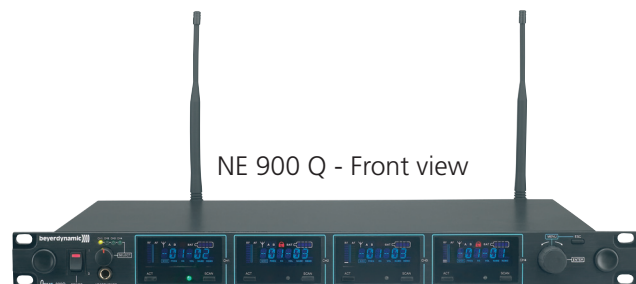


NE 900

UHF Diversity Receiver



NE 900 D - Front view



NE 900 Q - Front view



NE 900 D - Rear view



NE 900 Q - Rear view

FEATURES

- UHF diversity receiver with PLL synthesizer technology as one-channel (NE 900 S), two-channel (NE 900 D) or four-channel version (NE 900 Q)
- Suitable for 19" rack mounting, 1 U

Front view

- Colour display
- Menu control for selecting and setting
- On/off switch with power on LED
- SCAN function for automatic channel search
- ACT function (Automatic Channel Targeting) to transmit the frequency to a transmitter automatically
- Monitoring/headphone output with volume control and channel changeover switch
- Mounting bracket for installing the antennae on the front

Rear view

- Removable TNC antennae
- Antenna inputs (TNC socket) with power supply for antenna amplifiers
- AF output, 3-pin XLR, balanced
- Interface to connect PCs or laptops operating with Windows® 2000 or XP

APPLICATIONS

The NE 900 UHF diversity receiver with PLL synthesizer technology has been developed for professional use at broadcasting studios, film, on stage etc. The receiver is available in three versions: one-channel (NE 900 S), two-channel (NE 900 D) or four-channel (NE 900 Q). The NE 900 operates in the frequency bands 668 to 692 MHz, 774 to 798 MHz, 790 to 814 MHz and 841 to 865 MHz. Each TV channel provides 100 pre-programmed frequencies. A maximum of 16 frequencies can be operated simultaneously without any interference.

By using the SCAN function an automatic channel search is started and with the ACT function (Automatic Channel Targeting) the discovered frequency is transmitted to the transmitter via infra red. The frequency can also be selected manually.

The menu control is used to access and set the individual parameters. The colour display shows all parameters such as RF and AF level, diversity channel, battery status of the transmitter as well as all menu settings such as frequency, group, channel, squelch, output level, user name and address.

A sophisticated adjustable squelch system prevents unwanted noise effectively. The pilot tone-controlled AF mute suppresses interferences and mutes the receiver when the appropriate transmitter is switched off.

NE 900

VERSIONS

NE 900 Q	4-channel true diversity receiver, 668 - 692 MHz.	Order # 489.972
NE 900 Q	same as above, but 774 - 798 MHz.	Order # 489.980
NE 900 Q	same as above, but 790 - 814 MHz*.	Order # 489.999
NE 900 Q	same as above, but 841 - 865 MHz*.	Order # 490.008
NE 900 D	2-channel true diversity receiver, 668 - 692 MHz.	Order # 490.016
NE 900 D	same as above, but 774 - 798 MHz.	Order # 490.024
NE 900 D	same as above, but 790 - 814 MHz*.	Order # 490.032
NE 900 D	same as above, but 841 - 865 MHz*.	Order # 490.040
NE 900 S	1-channel true diversity receiver, 668 - 692 MHz.	Order # 490.059
NE 900 S	same as above, but 774 - 798 MHz.	Order # 490.067
NE 900 S	same as above, but 790 - 814 MHz*.	Order # 490.075
NE 900 S	same as above, but 841 - 865 MHz*.	Order # 490.083

TECHNICAL SPECIFICATIONS

Operating principle	True diversity receiver (UHF)
Frequency response	668 - 692 MHz 774 - 798 MHz 790 - 814 MHz* 841 - 865 MHz*
Power consumption	NE 900 Q: 25 W NE 900 D: 15 W
Power consumption in stand-by mode	NE 900 Q, D: 0.2 W
Switching bandwidth	24 MHz
Sensitivity	2 µV
Antenna connection	2 x TNC
Nominal deviation.	± 40 kHz
Output level	1.2 V

OPTIONAL ACCESSORIES

Antenna Splitter

ZAS 800	UHF 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 . . .	Order # 469.823

Individual Components - Software

USB Adapter	Opus 900 USB Adapter.	Order # 490.776
RJ 11 Kabel	Opus 900 RJ 11	Order # 490.784
CD ROM	Opus 900 CD-ROM.	Order # 490.792

Componder system.	NE572
Signal-to-noise ratio	> 110 dB(A)
T.H.D.	< 0.5% at 1 kHz
Squelch	2 µV - 1 mV adjustable
Supply voltage	12 V - 15 V DC
Mains	110 V - 240 V AC
Dimensions	
NE 900 S (L x B x H)	210 x 235 x 43 mm
NE 900 D / Q (L x B x H)	482 x 270 x 43 mm
Weight	
NE 900 D	2.75 kg
NE 900 Q	3.1 kg
Minimum distance of the profiles when mounting into a 19" rack	446 mm

*Not for use in the USA and Canada