

NE 911/912/914

UHF Diversity Receiver



NE 911



NE 912



NE 914

FEATURES

- UHF diversity receiver with PLL synthesizer technology as one-channel (NE 911), two-channel (NE 912) or four-channel version (NE 914)
- 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

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 heads are available for the system, plus an extensive range of accessories and the option for PC control for advanced system set-up. The UHF bandwidth of 72 MHz is treble that of its predecessor the Opus 900, and 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.

Three receiver versions are available for the Opus 910 system, each with 2880 selectable UHF frequencies per frequency range. To ease the set up of multi-channel systems there are also a number of pre-programmed frequency groups available. Pressing the SCAN button searches these groups for interference-free frequencies. The carrier frequency is then transmitted to the transmitter via an infrared signal and set up automatically by the ACT interface.

The front panel of the receiver has a volume-controlled headphone output for monitoring individual receiver channels. All other system settings, such as squelch or the output level of the receiver (0 dB, -10 dB, -20 dB, -30 dB), are made centrally by using the optimised jog wheel. The colour LCD is easily readable from any angle and shows important system information such as the frequency, group/channel, user name, field strength, audio level and remaining battery capacity of the transmitter. A lock function prevents the settings from being changed inadvertently while the unit is in use.

All receivers are fitted with an internal switching power supply (100-240V), while the dual and quad channel receivers each contain an integrated antenna splitter.

The rear of the device has a balanced 3-pin XLR output per channel and a remote connection (In/Out) which can be used to connect and control several receivers remotely from a PC. The single channel NE 911 also features an unbalanced 1/4" jack connection.

NE 911/912/914

VERSIONS

NE 911	1-channel true diversity receiver, 502 – 574 MHz* Order # 705.039 same as above, but 574 – 646 MHz* Order # 705.047 same as above, but 646 – 718 MHz* Order # 705.055 same as above, but 718 – 790 MHz* Order # 705.063
NE 912	2-channel true diversity receiver, 502 – 574 MHz* Order # 705.128 same as above, but 574 – 646 MHz* Order # 705.136 same as above, but 646 – 718 MHz* Order # 705.144 same as above, but 718 – 790 MHz* Order # 705.152
NE 914	4-channel true diversity receiver, 502 – 574 MHz* Order # 705.195 same as above, but 574 – 646 MHz* Order # 705.209 same as above, but 646 – 718 MHz* Order # 705.217 same as above, but 718 – 790 MHz* Order # 705.225

SUPPLIED ACCESSORIES

NE 911

- Antennae
- FB 71 mounting bracket
- FBC 71 antenna front mounting kit
- Rubber pads for use on tables
- RJ11 patch cable (length 20 cm) to cascade several receivers with PC control
- 1/4" jack cable (6.35 mm), length 1.60 m
- Power cable

NE 912 and 914

- Antennae
- FBC 71 antenna front mounting kit
- Rubber pads for use on tables
- RJ11 patch cable (length 20 cm) to cascade several receivers with PC control
- Power cable

CONSUMER ALERT

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device.

Purchasers should also be aware that FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change.

For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at www.fcc.gov/cgb/wirelessmicrophones.

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

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TECHNICAL SPECIFICATIONS

Operating principle	True diversity receiver (UHF)
Frequency range	482 – 554 MHz (US) 554 – 626 MHz (US) 626 – 698 MHz (US) 502 – 574 MHz* 574 – 646 MHz* 646 – 718 MHz* 718 – 790 MHz*
Power consumption	NE 911: 10 W NE 912: 15 W NE 914: 25 W
Power consumption in stand-by mode	NE 911 / 912 / 914: 2.5 W
Switching bandwidth	72 MHz
Sensitivity	2 µV
Antenna connection	2 x TNC
Nominal deviation	± 40 kHz
Output level	1.2 V
Comander system	NE572
Signal-to-noise ratio	> 110 dB(A)
T.H.D.	< 0.5% at 1 kHz
Squelch	2 µV - 1 mV, adjustable
Power supply	12 V - 15 V DC
Mains	100 V - 240 V AC
Dimensions	
NE 911 (L x W x H):	210 x 235 x 43 mm
NE 912 / 914 (L x W x H):	482 x 270 x 43 mm
Weight	NE 911: 1.36 kg NE 912: 2.75 kg NE 914: 3.1 kg
Minimum distance of the profiles when mounting into a 19" rack	446 mm

OPTIONAL ACCESSORIES

Antenna Splitter

ZAS 900	UHF antenna splitter, active, 19" housing, incl. cable set, 480 - 800 MHz Order # 497.541
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Antennae

AT 70 A/B Set	UHF antenna set for NE 911 / 912 / 914, cpl. with 2 x AT 70 B TNC booster, 2 x AT 70 TNC antenna and 2 x MS 10 mounting kit Order # 459.976
FBC 71	Cable rear-to-front for NE 911 / 912 / 914 and ZAS 900 (1 pair) Order # 469.823
FB 72	Mounting bracket, metal, for mounting of ZAS 900 into a 19"-rack Order # 469.807

Individual Components - Software

USB Adapter	Opus 900/910 USB Adapter . . . Order # 490.776
RJ 11 Kabel	Opus 900/910 RJ 11 Order # 490.784
CD ROM	Opus 910 software CD-ROM . . . Order # 705.845