

Numark®

Professional Disc Jockey Products

VHF High Frequency Wireless Microphone & Receiver Units

Features:

- This product is a professionally designed wireless microphone and receiver system that can be operated in conjunction with DJ, Singer, Karaoke or Public Speaker.
- A quartz crystal oscillator is used for the circuits of this product thus making the frequency stable without shifting and receiving outward interference.
- Models are available for either handheld, headset, or lavalier microphone options

Equipment options:

WS-31 series: This system consists of a rack mountable, table top high frequency one channel non-diversity receiver, one wireless microphone, one 1/4" - 1/4" mic cable, and power supply for the receiver.

WS-32 series: This system consists of a rack mountable, table top high frequency two channel non-diversity receiver, two wireless microphones, one 1/4" - 1/4" mic cable, and a power supply for the receiver.

WS-33 series: This system consists of a rack mountable, table top high frequency one channel true-diversity receiver, one wireless microphone, one 1/4" - 1/4" mic cable, and power supply for the receiver.

WS-RK Rack mount kit: Available separately, this 1 space rack mount kit allows 2 receivers to be mounted next to each other.

Operating Instruction:

1. Remove receiver from packaging.
2. Attach receiver to (WS-RK) rack mount kit if desired, available separately.
3. Extend antennae for reception
4. With the unit off, hook up the power supply to the receiver of this system and plug it into an appropriate outlet.
5. Hook up the microphone cable from the output of the receiver to the microphone input on your mixer or recording device.
6. Turn the switch ON and the power indicating light will come on indicating that power is on.
7. Install the battery(s) in the transmitter. For handheld microphones, turn and open the base section of microphone and load in 9V battery. For the hands free models open the transmitter battery door and install battery(s).
8. For hands free models, plug in microphone into the jack on the top of the transmitter.
9. Turn on the switch of microphone and the indicating light will flash once indicating that the microphone is turned ON. If the battery indication light is on this means the battery needs to be replaced.

10. After microphone is turned on, the signal indicating light of receiver will come on indicating that the signal from the microphone has been received.
11. Rotate the volume knob on the receiver to the desired volume to use the Microphone.
12. Adjust output volume of the hand free transmitter to obtain good sound without distortion.

Please record the serial number of your unit as well as the name of the dealer from whom you purchased the unit. Retain this information with your receipt for your records. Please return the warranty card enclosed to register your microphone with us.

MODEL: WS- _____
SERIAL NUMBER: _____
PURCHASED FROM: _____
DATE OF PURCHASE: _____

Precautions:

- A. Load the battery in accordance with the drawing attached to the battery compartment in the microphone.
- B. If the microphone is not in use, please turn off the switch of the microphone and remove the battery. Also turn off the receiver, and unplug it.
- C. After the microphone has been used for a period of time, the indicating light at the bottom of the microphone will come on indicating that the battery has been exhausted and change of battery is necessary.
- D. For operation, always turn on the power for the receiver first, then turn on the power for the microphone, and then bring up the level on your mixing console. After operation, bring down the level on your mixer then turn off the power for the microphone and turn off the power for the receiver.
- E. As this system has been subjected to precision calibration prior to factory delivery, do not open for adjustment, as this will void the warranty. Please return to an authorized Numark repair site for all necessary repairs.

Specifications:

RECEIVERS:

CARRIER FREQUENCY: 170 – 210 MHz VHF BAND

CHANNEL: WS-31 SINGLE CHANNEL NON-DIVERSITY

WS-32 DUAL CHANNEL NON-DIVERSITY

WS-33 SINGLE CHANNEL DIVERSITY

QUIETING SENSITIVITY (S/N=30Db, THD=3%)

S/N RATIO AT 1mV INPUT: 60 dB

UNBALANCE OUTPUT LEVEL: -44dB (MIC) -14dB (LINE)

BALANCE OUTPUT LEVEL (WS-33only): -44dB (MIC) -14dB (LINE)

THD(1KHz, 10KHzDEV, 1Mv): 0.5%

FREQUENCY DRIFT: +/- 50KHz

POWER REQUIREMENT: DC12V/200mA

TRANSMITTERS:

HANDHELD TRANSMITTER

CARRIER FREQUENCY: 170 – 210 MHz
MICROPHONE TYPE: DYNAMIC UNI-DIRECTIONAL TYPE
FREQUENCY RESPONSE: 100Hz- 12,000Hz
RF OUTPUT POWER: 50 mW (Max.)
SENSITIVITY: 100dB SPL at 7KHz FM DEVIATION
CURRENT CONSUMPTION: 30mA
BATTERY LIFE: 8 Hrs (average)
BATTERY TYPE: 006P DC 9V

BELTPACK TRANSMITTER + HEADSET MICROPHONE

CARRIER FREQUENCY: 170 – 210 MHz
MICROPHONE TYPE: CONDENSER OMNI-DIRECTIONAL TYPE
FREQUENCY RESPONSE: 100Hz- 12,000Hz
RF OUTPUT POWER: 50 mW (Max.)
SENSITIVITY: 100dB SPL at 7KHz FM DEVIATION
CURRENT CONSUMPTION: 30mA
BATTERY LIFE: 8 Hrs (average)
BATTERY TYPE: 006P DC 9V

BELTPACK TRANSMITTER + LAVALIER MICROPHONE

CARRIER FREQUENCY: 170 – 210 MHz
MICROPHONE TYPE: CONDENSER UNI-DIRECTIONAL TYPE
FREQUENCY RESPONSE: 100Hz- 12,000Hz
RF OUTPUT POWER: 50 mW (Max.)
SENSITIVITY: 100dB SPL at 7KHz FM DEVIATION
CURRENT CONSUMPTION: 30mA
BATTERY LIFE: 8 Hrs (average)
BATTERY TYPE: 006P DC 9V

LIMITED PRODUCT WARRANTY

What is covered and for how long?

1. NUMARK INDUSTRIES LCC ("NUMARK") warrants to the original purchaser that NUMARK'S DJ mixers and amplifiers are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase from an authorized NUMARK dealer and continuing for the following period of time after that date for (2) Years. The warranty is extended to (3) Years with the completion of the warranty card provided that the warranty card is completed and returned within (30) days from the date of purchase. All other NUMARK products are warranted for (1) Year including but not limited to CD players, CD Mix Stations, turntables, preamplifiers, beatkeepers, equalizers, microphones, headphones, cartridges, and all other accessories.

What is not covered? This Limited Warranty is conditioned upon proper use of the product by the purchaser.

2. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical or electrical stress, modification of any part of the product, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) all plastic surfaces and other externally exposed parts that are scratched or damaged due to normal use; (d) defects or damage from improper testing, operation, maintenance, installation, adjustment, or service of the mixers; (e) crossfaders.
3. What are NUMARK'S obligations? During the applicable warranty period, NUMARK will repair or replace, at NUMARK'S sole discretion, without charge to the purchaser, any defective component part of the mixer. To obtain service under this Limited Warranty, purchaser must first contact NUMARK and obtain a return authorization number ("RA#"). Purchaser must then return the mixer to NUMARK in an adequate container for shipping, accompanied by purchaser's sales receipt or comparable proof of sale showing the date of purchase, the serial number of the product, and the seller's name and address. To obtain an RA# and assistance on where to return the mixer, contact NUMARK customer service at 401-295 9000. Upon receipt, NUMARK will repair or replace the defective

products. NUMARK may, at NUMARK'S sole discretion, use rebuilt, reconditioned, or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned or new product. Repaired mixers will be warranted for a period equal to the remainder of the original Limited Warranty on the original mixer or for (90) days, whichever is longer. All replaced parts, components, boards and equipment become the property of NUMARK. If NUMARK determines that any mixer is not covered by this Limited Warranty, purchaser must pay all parts, shipping, and labor charges for the repair or return of such mixer.

4. What are the limits on NUMARK'S liabilities? THE WARRANTIES GIVEN IN THIS LIMITED WARRANTY, TOGETHER WITH ANY IMPLIED WARRANTIES COVERING NUMARK MIXERS, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, NUMARK SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES, LOSS OF PROFITS, DAMAGES TO PURCHASER'S PROPERTY, OR INJURY TO PURCHASER OR OTHERS ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE ANY NUMARK MIXER, BREACH OF WARRANTY, OR NEGLIGENCE, INCLUDING BUT NOT LIMITED TO NUMARK'S OWN NEGLIGENCE, EVEN IF NUMARK OR ITS AGENT HAS BEEN ADVISED OF SUCH DAMAGES, OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. THIS LIMITED WARRANTY IS THE COMPLETE WARRANTY FOR NUMARK'S MIXERS, AND IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY OF THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.
5. This Limited Warranty allocates risk of product failure between purchaser and NUMARK, and NUMARK'S product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of NUMARK are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on NUMARK. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by NUMARK and should not be relied upon.
6. How does state law apply to this warranty? SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO PURCHASER.
7. This Limited Warranty gives you specific legal rights. You may also have other rights, which vary from one jurisdiction to another.

RETURN INFORMATION

- (a) A Return Authorization number must be obtained from Numark through the address or phone numbers below.
- (b) A copy of the original sales receipt must also be included for the equipment to be repaired under warranty.
- (c) The faulty equipment must be packed in its original packaging.
- (d) One additional outer layer of packaging must be included to ensure product safety. Failures to do so may inadequately protect the equipment in transit and, therefore, jeopardize the customer's warranty.
- (e) Numark will not accept COD shipments and no call tags will be issued for merchandise return.
- (f) Numark will not return repaired merchandise to customers by priority service, unless by written request at the customer's cost. Requests must be submitted in writing with merchandise returned.
- (g) The defective Numark equipment should be sent, FREIGHT PREPAID with Return Authorization number clearly printed on the outer packaging and original sales receipt enclosed to:

Numark INDUSTRIES
Attention: Service Department
11 Helmsman Avenue
North Kingstown, RI 02852 USA

Phone: +1 (401) 295-9000
Fax: +1 (401) 295-5200
Web: www.numark.com