OPERATION MANUAL

DIGITAL UHF WIRELESS MICROPHONE

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Model: NT601

FCC ID.: WOUNT601

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

A. Transmitter (Hand-Held Microphone):

a. Putting 3 new batteries (AA / UM-3) inside the battery housing.

Turning on the power switch. A LED indicator flashes briefly that shows the microphone is in a good working condition.

b. There is about one second latency when turning on or off the device.

c. Pushing button + or – to increase or decrease the volume ranging from 0 to 15.

d. Using push-button “CH” for altering the channel ranging from 1 to 36.

e. Batteries are going to be exhausted out in a short period of time and need to be replaced when the LED indicator continuously flashes

B Receiver :

a. Installing vertically two antennas at the rear of the device.

b. **Using Main Power switch at the rear for opening/shutting the main power source.**

Plugging the power connector of the attached AC/DC Adapter into the “DC IN” socket at the rear of the device.

Turning on the Main Power switch, the front panel will then lights up.

c. **Using Power button at the front for turning on/off the signal of the device.**

Pushing the Power button at the front panel, the OLED screen lights up that shows the receiver is in a good working condition.

d. Turning on the hand-held microphone and then push the button “CHANNEL” at the front panel of the receiver to ignite the Auto Scan function for the channel searching, which requires 2-3 seconds to complete. When completing, the digit of the channel on the OLED screen of the receiver gets set, while the LED indicator of the hand-held microphone brightly sparkles briefly.

Using the button “CH” on the hand-held microphone for altering the channel thereafter, if necessary.

(Note: Button “CHANNEL” on the receiver functions for only the purpose of the initial channel setting.)

e. OLED screen includes functions of Antenna signal, Volume level (to be controlled from Hand-Held microphone), Battery level (for batteries inside the Hand-Held microphone) and Channel indication.

SPECIFICATION:

DIGITAL UHF WIRELESS MICROPHONE

Single Channel, True Diversity

RF: There is no audible harmonic interference that makes it available for more channels used synchronously.

ADUIO: Neatron digital wireless circuit can enhance S/N rate and Dynamic range, getting high gain while low white noise, it makes the sound quality Hi-Fidelity.

POWER CONSUMPTION IN TRANSMITTER: Neatron Transmitter consumes an amazing low power that gives the batteries a durable life for a long time usage.

REMOTE CONTROL: Both channel and volume level can be remote controlled from the transmitter.

AUTO-SHUTTING: The signal of the transmitter shuts down automatically when it not being used for 5 minutes to avoid interfering other users and meanwhile save the battery energy considerably.

SPECIFICATIONS:

OVERALL SYSTEM PERFORMANCE:

RF Carrier Frequency Range: FCC:902~928MHZ

Modulation：PSK(Phase Shift Keying)

CHANNEL：36CH

Transmitting Channel Set-up: Auto scan

Audio Sampling Specs: 16-bit/ 44.1KHz

DATA Rate: 705.6K bps

Latency: 5m Sec.

Audio frequency Response：50-20K HZ **±2dB**

Dynamic Range:>110dB. A-Weighted

S/N Ratio: >100 dB

Working Range: up to 100M (in open area)

RECEIVER (Single Channel):

Reception Mode: Digital Diversity

Receiving Type: Zero IF frequency receiving

Sensitivity: 12dBuV at S/N >= 120dB(A)

Audio output:

Mic level(**ψ**6.3mm Phone Jack, Unbalanced):**-64dBv/600Ω**

Mic level(XLR Socket, Balanced):**-69dBv/600Ω**

Power Input: 90-260V AC/ DC**12**V@**200**mA.

ANT SOCKET: 50**Ω**TNC Connector

Display Panel: OLED (displays Channel, Battery Level, Volume Level and RF Signal Level)

Dimensions: EIA Standard 1-rack configurations

TRANSMITTER:

RF Power Out: <8mW nominal

RF Carrier Frequency Range: FCC:902~928MHZ / CE:863~865MHZ

Channel selector:1~36CH

Volume Control: 0 ~ 15 steps

Modulation：PSK(Phase Shift Keying)

Transmitter Channel Set-up: Auto scan

Battery: Alkaline 1.5V/NiHM 1.2V 2100mAh(3* AA / UM-3)

Current Drain : 40mA Max.

Battery Life(Regular Battery) : more than 30 hours