

OT301 OT303

TRUE DIVERSITY UHF WIRELESS MICROPHONE SYSTEM



OT301
True Diversity UHF Wireless
Microphone System
(2 hand-held mic)



OT303
True Diversity UHF Wireless
Microphone System
(2 head-set mic)

PRODUCT DESCRIPTION:

- IT ADOPTS A PURE AUTOMATIC SIGNAL SELECTION (TRUE DIVERSITY) RECEIVING MODE, WITH FOUR INDEPENDENT ANTENNAS FOR RECEPTION, AND CAN RECEIVE MICROPHONES FROM A LONG DISTANCE.
- IT ADOPTS HIGH-END IMPORTED MICROPHONE CORES, PROVIDING A WIDE AND BEAUTIFUL SOUND QUALITY.
- THE HANDHELD MICROPHONE IS OF CLASSIC STYLE AND COMES WITH A BUILT-IN ADJUSTABLE RECEIVING DISTANCE SWITCH AND A MUTE FUNCTION SWITCH.
- THE RECEIVER FEATURES AN LCD LIQUID CRYSTAL DISPLAY, WHICH CAN SHOW MULTIPLE FUNCTIONS SUCH AS AUTOMATIC SIGNAL SELECTION, CHANNELS, FREQUENCIES, BATTERY POWER OF THE TRANSMITTER, AND RECEIVING SENSITIVITY. THE STANDBY STATUS IS SHOWN IN ORANGE AND THE USAGE STATUS IS SHOWN IN WHITE.
- THE RECEIVER IS EQUIPPED WITH AN AUTOMATIC SEARCH FOR CLEAN FREQUENCIES AND A SELF-SET PANEL FUNCTION LOCK FOR SAFE USE.
- IT ADOPTS PROFESSIONAL SECONDARY FREQUENCY CONVERSION AND MULTI-LEVEL RF FILTERING TECHNOLOGY. MULTIPLE SETS CAN BE USED WITHOUT INTERFERING WITH EACH OTHER. THE TRIPLE NOISE REDUCTION OF SOUND CODE, RF INTENSITY AND NOISE DETECTION ELIMINATES INTERFERENCE.
- IT ADOPTS A UNIQUE CPU CONTROL FOR POWER ON AND OFF. NO MATTER WHAT STATE THE TRANSMISSION OR RECEPTION IS IN, THERE WILL BE NO IMPACT SOUND DURING POWER ON AND OFF.
- IT HAS POWER REGULATION FOR BOTH LONG AND SHORT DISTANCES.

FEATURES:

RECEIVER PARAMETERS

- RECEIVER MODE: AUTOMATIC SIGNAL SELECTION AND RECEPTION;
- OSCILLATION MODE: FREQUENCY SYNTHESIS OF PHASE-LOCKED LOOP (PLL)
- SENSITIVITY: $\leq -95\text{DBM}$
- ANTENNA INPUT: BNC SOCKET / (50 VOLT-AMPERE);
- SPURIOUS SUPPRESSION: $> 75\text{DB}$;
- MAXIMUM OUTPUT LEVEL: $+10\text{DBV}$;
- POWER SUPPLY: 14.5 AC
- WORKING CURRENT: $< 500\text{MA}$ FREQUENCY MODULATION MODE: BROADBAND FREQUENCY MODULATION (FM)
- FREQUENCY RANGE: 748MHZ-758MHZ
- FREQUENCY STABILITY: $\pm 0.005\%$
- CHANNEL INTERVAL: 250KHZ;
- DYNAMIC RANGE: 100DB
- EFFECTIVE RANGE: 100M
- MAXIMUM DEVIATION: $\pm 48\text{KHZ}$
- AUDIO FREQUENCY RESPONSE: 20HZ- 20KHZ ($\pm 3\text{DB}$)
- AUDIO OUTPUT: XLR BALANCED
- COMPREHENSIVE DISTORTION: $< 0.3\%$;
- COMPREHENSIVE SIGNAL-TO-NOISE RATIO: 105DB;

TRANSMITTER PARAMETERS

- ANTENNA: THE HANDHELD MICROPHONE IS EQUIPPED WITH A BUILT-IN SPIRAL ANTENNA, WHILE THE WAIST-MOUNTED TRANSMITTER USES A 1/4 WAVE LONG WHIP ANTENNA.
- PICKUP HEAD: DYNAMIC COIL TYPE;
- RF OUTPUT POWER: HIGH POWER 30 MW, LOW POWER 3MW;
- SPURIOUS SUPPRESSION: -60DB
- POWER SUPPLY: TWO AA ALKALINE BATTERIES NO. 5;
- POWER FOR 10 HOURS;
- OPERATING ENVIRONMENT TEMPERATURE: $-10\text{ }^{\circ}\text{C}$ TO $40\text{ }^{\circ}\text{C}$

Handheld Wireless Microphone Microphone parameters:

- CARDIOID MICROPHONE
- EXTENDED 20 HZ - 20KHZ FREQUENCY RANGE (MICROPHONE DEPENDENT)
- UHF ULTRA-HIGH FREQUENCY: PROVIDES EXTENDED RECEPTION DISTANCE.
- DISPLAY SCREEN: SHOWS FREQUENCY, CHANNEL, AND AUDIO LEVELS.
- BALANCED & UNBALANCED OUTPUTS: SUPPORTS VARIOUS CONNECTION NEEDS WITH XLR SOCKETS.
- EFFECTIVE RANGE: 100-300 METERS IN OPEN ENVIRONMENTS.