AR31

Single Channel Wireless
Microphone System

KEY FEATURES

AFS(Automatic Frequency Selection)

Press the " ◀/▶ " button for 3 sec and the receiver will auto-scan and lock on to an open,interference free frequency.

Compatible systems

Maximum 24 set can be used simultaneously by using multiple frequency bands in one venue.

IR Infrared Sync

Press [IR] button to pair automatically the receiver frequency with the transmitter.

Full Band Transmitter

134MHz full band transmitter allows pairing with the receiver irrespective of frequency band.

Anti-Interference

PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.

Energy Conservation

Low RF power mode gives twice the battery life of up to 14 hours*.(On AA Alkaline Batteries)

AR1 HANDHELD TRANSMITTER

AR1 Handheld wireless transmitter is a dynamic vocal microphone housed in adurable metal body with an OLED display. The OLED display provides frequency, channel, lock & battery status. It comes with an audio gain adjustment switch (0,-6,-12dB) and an RF boost (10/40 mW) switch for a higher operating distance. With wide operating bandwidth of 134 MHz, it can be paired/synced with any of the Arche receivers irrespective of the frequency band of the receiver unit. The microphone head is a unidirectional dynamic transducer designed for speech & musical applications.

CARRIER FREQUENCY RANGE	522MHz~936MHZ
OSCILLATION	PLL Synthesized
OPERATING BANDWIDTH	134MHz
MAX. DEVIATION RANGE	±45KHz
MICROPHONE ELEMENT	Dynamic (removable mic head)
POLAR PATTERN	Cardioid
RF OUTPUT POWER	10mW/40mW
BATTERY	AA x 2 (Alkaline)
CURRENT CONSUMPTION	110mA (Typical)
OPERATING HOURS	Approximately 14 hours*
MICROPHONE LENGTHS (MM)	52(Ø)x255(L)
WEIGHT	Approximately 235g (w/o battery)
HOUSING	Die cast metal body

*on 10mw RF

AR3 SINGLE CHANNEL DIVERSITY RECEIVER

AR3 is a 1/2 EIA standard Rack Unit metal chassis single-channel wireless receiver for AR1 & AR2 transmitters. Bright & intuitive LCD front panel display gives necessary information like RF level, Audio levels, working channel & transmitter battery status, etc. With 32MHz operating bandwidth, each receiver band allows up to 10 compatible systems which are interference-free. With multiple bands, it can reach up to 24 compatible systems*. The PLL synthesized circuitry ensures RF transmission reliability with separation from GSM & other EMI interference.AFS (Auto Frequency Selection) functions scan the environment and lock itself in an open interference-free frequency channel. The diversity antenna circuit chooses the better one receiving out of its 1/2 Wave Antennae to give optimum RF stability every time.

CARRIER FREQUENCY RANGE	522MHz~936MHz
MODULATION MODE	FM stereo modulation
OSCILLATION	PLL synthesized
SENSITIVITY	5dBμV, S/N>60dB at 25 deviation
OPERATING BANDWIDTH	32MHz (E,I,J,K)
MAX DEVIATION RANGE	±45KHz
S/N RATIO	>105dB
T.H.D	<0.7%@1KHz
FREQUENCY RESPONSE (AUDIO)	45Hz-18KHz ±3dB
OPERATING RANGE	100M typical*
POWER SUPPLY	DC 12V/12W adapter
DIMENSION (MM)	205(W)x206(D)x43(H)
WEIGHT	Approximately 1.0kg
OUTPUT CONNECTOR	XLR balanced & 6.3ϕ phone jack unbalanced
HOUSING	Pressed steel powder coated enclosure

*Actual range depends upon clear line of sight & interference

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