

# AR32

Single Channel Lavalier  
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)

## AR2 BODYPACK TRANSMITTER



AR2 is a compact & lightweight body pack-style transmitter made for clip-on microphones housed in a durable metal body with a multifunction OLED display. The OLED display provides frequency, channel, lock & battery status. It comes to a mini XLR (TA4M input jack) terminal with an audio gain adjustment switch (0,-6,-12dB) and 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 bodypack transmitter can be used with an ALM-02 electret condenser lavalier microphone with a unidirectional capsule designed for speech & musical instruments.

CARRIER FREQUENCY RANGE	522MHz~936MHZ
OSCILLATION	PLL Synthesized
HARMONIC RADIATION	<45dBm
BANDWIDTH	134MHz(It depends on the region)
MAX. DEVIATION RANGE	±45KHz
INPUT CONNECTOR	TA4M/LEMO connector
RF OUTPUT POWER	10mW/40mW
BATTERY	AA x 2
CURRENT CONSUMPTION	110mA(Typical)
OPERATING HOURS	Approximately 14 hours*
DIMENSION (MM)	84(H) X66(W) X 23(D)
WEIGHT	155g (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

**ERTHPOT ELECTRONICS PRIVATE LIMITED**

A - 164, A Block, Noida Sector 63, Gautam Buddha Nagar  
Uttar Pradesh Pin Code: 201301  
info@erthpot.com