

# AR33

## DUAL CHANNEL DIVERSITY RECEIVER



AR33 is a dual channel wireless receiver for AR1 & AR2 transmitters housed in 1 EIA standard Rack Unit metal chassis. Bright & intuitive LCD front panel display gives the necessary information for both the transmitters like RF level, Audio levels, working channel & transmitter battery status, etc. With 32MHz operating bandwidth for each receiver, the 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.

MAINFRAME SIZE	EIA Standard 1U
CHANNELS	Dual Channel
FREQUENCY STABILITY	±0.0005% (0~50 °C)
CARRIER FREQUENCY RANGE	522MHz~936MHz
MODULATION MODE	FM stereo modulation
OSCILLATION	PLL synthesized
RECEIVING SENSITIVITY	5dBuV, S/N>60dB
BANDWIDTH	at 25 deviation 32Mhz
MAX. DEVIATION RANGE	±45KHz
S/N	>105dB
T.H. D	<0.7% @1KHz
FREQUENCY RESPONSE	80Hz-18KHz ±3dB
OPERATING RANGE	80~100M typical (in open space)
POWER SUPPLY	DC 12V/12W
WEIGHT	1.9kg
DIMENSION (MM)	410(W) x 206 (D) x 43 (H)
OUTPUT CONNECTOR	XLR balanced & 6.3 φ phone jack unbalanced

## 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.



### IR Infrared Sync

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



### Anti-Interference

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



### Compatible systems

Maximum 24\* sets can be used simultaneously by using multiple frequency bands in one venue.



### Full Band Transmitter

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



### Energy Conservation

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

\*Actual range depends upon clear line of sight & interference