

# AR1

## HANDHELD TRANSMITTER



AR1 Handheld wireless transmitter is a dynamic vocal microphone housed in a durable 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(□)x255(L)
WEIGHT	Approximately 235g (w/o battery)
HOUSING	Die cast metal body

\*on 10mw RF

## 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\* sets 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)