

AM 500 UHF PLL Dual Channel True Diversity Wireless Microphone System



>> True Diversity Receiver

Features:

- Rugged metal chassis with soft-touch controls.
- (Chinese / English) bilingual menu operation;
- Up to 80 simultaneous channels;
- Handheld or bodypack transmitter can be switched freely for each channel;
- True diversity provides the most effective elimination of dropouts.
- Pilot tone squelch for eliminating RF interference when transmitter is turned off.
- Enhanced AF frequency range
- Built-in spectrum analyzer to auto scan and select a clear channel.
- Transmitter Sync.
- Pure aluminum alloy side plate design.
- 600 selectable frequencies, 32 preset clean channels
- OLED display screen delivers a bright, clear viewing in day/night environments.
- Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
- Offers an exceptional value in both performance and price, for both working musicians and sound installers.

Specifications:

Main Frame Size	EIA-Standard 19" 1U
Channels	Dual Channel
Frequency Stability	$\pm 0.005\%$, Phase Lock Loop frequency control
Carrier Frequency Range	UHF 603-699MHz
Preset Channels	32 preset channels
Operating Range	90M typical (in open space)
Oscillation	PLL synthesized
Sensitivity	6dB μ V, S/N>60dB at 25 deviation
Band Width	30MHz
Max. Deviation Range	± 45 KHz
S/N	> 105dB
T.H.D.	<0.7% @ 1KHz
Frequency response	45Hz~18KHz ± 1 dB
Squelch	"PiloTone & NoiseLock" dual-squelch circuit
Power Supply	100-240V AC50/60 Hz, 10W
Weight	2.7KG
Dimension	482(W) X 454(H) X 234(D) (mm)
Output Connector	XLR balanced & 6.3 ϕ phone jack unbalanced

>> Wideband Handheld Microphone

Features:

- All rugged metal die-cast construction.
- The microphone head is sperate to change other brand microphone head if needed
- 120MHz ultra-wide bandwidth.
- Array antenna design for signal stability.
- Extremely low handling noise.
- Infrared automatic transmitter sync.
- Very easy and quick to use thanks to OLED display
- 2 x AA batteries – up to 10 hours continue use.

Specifications:

Carrier Frequency Range	UHF 603-699 MHz
Oscillation	PLL synthesized
Harmonic radiation	< -65dBm
Bandwidth	120MHz
Max. Deviation Range	±45KHz
Microphone Element	Cardioid Dynamic
RF Power Output	15mW
Battery	AA X 2 (country dependent)
Current Consumption	90mA, typical
Battery Current / Life	Approximately 10 hours
Dimension	52(Φ) X 258 (L) (mm)
Weight	293g (w/o battery)

>> Wideband Bodypack Transmitter

Features:

- Sturdy metal housing.
- Selectable 5V / 12V / 48V phantom power supply
- 120MHz ultra-wide bandwidth.
- Equipped with 4-pin mini XLR connector.
- Infrared automatic transmitter sync.
- Very easy and quick to use thanks to OLED display
- 2 x AA batteries – up to 5 ~10 hours continue use (phantom power selection dependent).

Specifications:

Carrier Frequency Range	UHF 603-699 MHz
Oscillation	PLL synthesized
Harmonic radiation	< -63dBm
Bandwidth	120MHz
Max. Deviation Range	± 45KHz
Input Connector	4-pin mini-XLR connector
RF Power Output	15mW
Battery	AA X 2
Current Consumption	60mA, typical
Battery Current / Life	Approximately 5~10 hours (phantom power selection dependent)
Dimension	805(H) X 63(W) X 215(D) (mm)
Weight	200g (w/o battery)