

XD-V30 Digital Wireless Microphone Systems



XD-V30 HANDHELD SYSTEM



XD-V30L LAVALIER SYSTEM



XD-V30HS HEADSET SYSTEM



FEATURES:

- 24-bit digital converters
- Up to 118 dBA dynamic range, compander free
- DCL™ (Digital Channel Lock) and PDP™ (Proprietary Data Placements) technologies eliminate audio interference and minimize dropouts
- Full bandwidth 10 Hz – 20 kHz frequency response
- 6 user-selectable channels (for simultaneous use) always available, no intermodulation issues. No scanning for channels is required
- Quick setup, no gain, pads, squelch or level adjustments necessary
- “Future proof” 2.4 GHz ISM band operation prevents concerns from DTV/DSO/700 MHz channel assignments and whitespace devices, and avoids competition from high-power transmitters such as commercial TV, mobile phone and public safety
- Real-time LED indicators display critical performance data including RF status and battery life
- 2 x AA alkaline batteries provide 8-hour operation

XD-V30 Handheld System

- Handheld transmitter (THH06)
- Mic clip
- 2 x AA alkaline batteries
- Desktop receiver (RXT06)
- Power supply (DC-1g); 9V DC/500 mA, input – 90 – 240 Vac
- Briefcase style carry case

XD-V30L Lavalier System

- Beltpack transmitter (TBP06)
- Cardioid lavalier mic (LM4-4) with clip and windscreen
- 2 x AA alkaline batteries
- Desktop receiver (RXT06)
- Power supply (DC-1g); 9V DC/500 mA, input – 90 – 240 Vac
- Briefcase style carry case

XD-V30HS Headset System

- Beltpack transmitter (TBP06)
- Cardioid headset microphone (HS30) with dual ear clips
- 2 x AA alkaline batteries
- Desktop receiver (RXT06)
- Power supply (DC-1g); 9V DC/500 mA, input – 90 – 240 Vac
- Briefcase style carry case

XD-V30 Digital Wireless Microphone System Specs



			Notes:
System Specs	Working Range	30 meters / 100 feet	Line of sight, actual range depends on interference, reflection and RF signal absorption
	Audio Freq. Response	10 Hz(-0.5 dB) to 20 kHz (-2.5 dB)	
	THD%	0.03% typical	
	Dynamic Range	>115 dBa (XD-V30) >118 dBa (XD-V30L/HS)	System total, audio in to audio out, no compander
	Operating Temperature Range	0-60° C	Battery characteristics may limit this range
	Transmitter Audio Polarity	Positive pressure on mic diaphragm produces positive voltage on pin 2 of XLR output and on Tip of 1/4 output	
	RF Channel	2.4 GHz ISM band	
	System Latency Total	<4 ms	Audio in to audio out

			Notes:
Receiver Specs	Audio Output Level	Unity	Referenced to mic selected
	Output Z	XLR: 150 ohms (balanced) ¼ inch: 1k ohms (unbalanced)	
	Sensitivity	95 dBm	
	Image Rejection	56 dB	
	Power Requirements	9V DC, 350 mA	
	Dimensions (Overall)	138 mm x 137 mm x 40 mm	
	Weight	8.4 oz.	
	Housing	Polycarbonate	

		V30 Handheld Tx	V30 Beltpack Tx
Transmitter Specs	Audio Input Level (Max.)	3.6 Vpp; ~3% THD (clipping)	6.5 Vpp; ~3% THD (clipping)
	Input Z	N/A	1.3M ohms
	Gain Range	N/A (Patent pending circuitry insures full use of A/D converter at all times)	N/A (Patent pending circuitry insures full use of A/D converter at all times)
	RF Output	10 mW	10 mW
	Dimensions (overall)	240 mm x 44 mm round DIA	81 mm tall x 66 mm x 30 mm (H x W x D)
	Weight	11 oz. (without batteries)	3.0 oz. (without batteries)
	Housing	Metal body, PC battery cover	Polycarbonate body
	Battery Life	alkaline 8 hours	alkaline 8 hours
	Power	2 x AA alkaline	2 x AA alkaline

Architect and Engineer's Specifications

The wireless microphone system shall utilize digital conversion and operate in the 2.4 GHz ISM band. The system shall transmit a digital representation of the audio signal distributed over four separate RF frequencies that include a unique digital code sequence that identifies the transmission to the receiver thus locking out all other sources of interference without the need of squelch circuitry. The system shall include the option of changing the compatible preset operating channels enabling up to 6 systems to operate simultaneously in the same location without interfering with one another. Effective range of the system shall be 30 meters (100 feet) under optimal conditions. Each transmitter shall be powered by two AA alkaline batteries. System shall use both spatial and channel diversity to minimize dropouts and improve reception.

Handheld transmitter shall have a power on-off and a channel select switch. A "hidden" switch shall provide lockout of the user control buttons. Mic capsule shall be field replaceable.

Beltpack transmitter shall have a slide on-off switch. Beltpack shall have ¼" TRS input jack and be capable of input signal up to 6.5 Vpp. Receivers shall have three-bar LEDs that show audio level.

The system shall be Line 6 XD-V30 system.