DIGITAL TECHNOLOGY

Digi-Wave® AIM

ADVANCED INTERPRETATION MODULE

The Digi-Wave 400 Advanced Interpretation Module (AIM) is a portable, digital communication system designed for interpretation. With Digi-Wave AIM, you can enjoy all the features of Digi-Wave 400, plus; an effortless Q&A mode for switching languages during interpreted discussions, customized channel naming, a control mode for offline programming, subgroup division, and an industry-leading 24 available channels.

An interpretation Q&A mode on the transceiver makes switching between two languages for Q&A sessions easy. It also enables multiple open mics for each language, facilitating panel discussions with multiple active speakers in two languages.

The subgroups function allows administrators to program custom channel names and subgroups offline, making it easy for guests to identify the language they are hearing or the subgroup they belong to. The control function allows administrators to program channel names and subgroups offline and update all devices in the system when convenient for the administrator.

Every Digi-Wave AIM system includes at least one two-way transceiver (DLT 400-AIM), which can be used with existing Digi-Wave 400 rechargeable receivers - (with firmware 1.3.0 or greater).

Key Features

- Interpretation Q&A mode allows interpreters to switch between listening and speaking simultaneously
- 24 channels for interpretation - the most channels among comparable devices
- Customize channel names with up to 5 characters or choose from 100 ISO language codes
- Accommodates six simultaneous speakers and an unlimited number of listeners
- Frequency-hopping algorithm to avoid interference and crystal-clear digital sound quality

Applications

- Language interpretation
- Presentations
- Tours
- Hearing Assistance

Markets

- Government - courtrooms
- Corporate - training, presentation, tours
- Guided Tours (Leisure and Facility)
- Healthcare - medical centers
- Education - classrooms & lecture halls

Product Specifications: Digi-Wave 400 AIM Transceiver

Dimensions	2.60"W x 4.22"H x 0.50"D (66 mm x 107.3 mm x 12.6 mm)
Weight	Weight 3.3 oz (94 g) including battery
Color	Black/Silver (Front/Back)
Case Material	Black ABS plastic
Battery Type	Lithium Polymer with smart charge built into transceiver; 1800 mAH
Battery Life	Up to 16 hrs talk time per charge@ 1ch Tx and 1ch Rx
Power Save	Auto Sleep Mode after 5 minutes of no RF signal from compatible devices
Charge Time	5 hrs. approx.
System Voltages	OLED 14VDC; RF 5VDC; Logic 3.3 VDC
Operating Frequencies	2.4 GHz (ISM band); 2402 – 2476 MHz FHSS
Audio Frequency Response (-3dB level)	Intercom, Court, INTP24, Adv. Comm and Q&A Mode: 100 - 7,200 Hz Other Modes: 100 - 11,500 Hz
SNR	73 dB (A-weighted, default Rx volume with mic input)
THD	0.1 % (Default Volume, 1kHz)
Microphone Input	Internal microphone (disabled when MIC jack engaged) and 3.5 mm phone jack (sleeve) with electret microphone bias, adjustable gain with 63dB range.
Line Input	USB-C, Adjustable level
Headphone Output	3.5 mm TRRS headphone jack; 25 mW, R 32 ohms
Audio Output	Headphone: Max SSPL 90 111.8dB (EAR 013), 116.8dB 041) Line: USB-C, Adjustable level
Range	Up to 900 ft (274 m) (depending upon environmental conditions)
Modulation	FSK
RF Ouptput	19 dBm Typical
Security	87 bit encryption (300 Series Compatible), 128+87 bit encryption, encryption PIN, Lock for settings
Side Tone	-6 dB below volume, tone variation (Off, Low and High settings available)
Indicators	OLED
LEDs	Red LED around Talk button when enabled; Bi-color, changing green and red LED at top
Charging Connectors	USB-C; Two contacts for use with CHG 412
Compatible Receiver	DLR 400 RCH, DLR 400 ALK, DLT 300 with some limitations and DLR 360 with some limitations
Operating Temperature Range	14° to 113°F (-10° to 45°C)
Approvals	FCC, Industry Canada, CE, RoHS 3, WEEE, RCM, ANATEL, KC, Giteki
Warranty	2-year warranty against component failure and manufacturing defects (1 year on internal battery). See Full Warranty on the website for details.

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Product Specifications: Digi-Wave 400 Receiver -Rechargeable (DLR 400 RCH)

Dimensions	2.60"W x 4.22"H x 0.50"D (66 mm x 107.3 mm x 12.6 mm)
Weight	3.3 oz (94 g) including battery
Color	Black
Battery type	Lithium Polymer with smart charge built into transceiver; 1800 mAH
Battery life	Up to 32 hrs per charge @ 1ch Rx
Power Save	Auto Sleep Mode after 5 minutes of no RF signal from compatible devices
Charge time	5 hrs. approx.
System Voltage	OLED 14VDC; RF 5VDC; Logic 3.3 VDC
Operating frequencies	2.4 GHz (ISM band); 2402 – 2476 MHz FHSS
Audio Frequency response(-3dB Level)	Intercom, Court, INTP24, and Q&A Mode: 100 – 7,200 Hz Other Modes: 100 – 11,500 Hz
SNR	73 dB (A-weighted)
THD	0.1 % (Default Volume, 1kHz)
Headphone Output	3.5 mm TRRS headphone jack; 25 mW, R32 Ω
Line Audio Output	USB-C, Adjustable Level
Range	Up to 900 ft (274 m) (depending upon environmental conditions)
Modulation	FSK
RF Sensitivity	-92 dBm
Security	87-bit encryption (300 Series Compatible), 128+87 bit Encryption, encryption PIN, Lock for settings
Indicators	OLED
LEDs	Bi-color, changing green and red LED at top
Charging Connectors	USB-C; Two contacts for use with CHG 412
Compatible Units	DLT 400, DLT 300 with some limitations
Operating Temperature	14° to 113°F (-10° to 45°C)
Approvals	FCC, Industry Canada, CE, RoHS 3, WEEE, RCM, ANATEL, KC, Giteki
Warranty	2-year warranty against component failure and manufacturing defects (1 year on internal battery). See Full Warranty on the website for details.

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