

Tour Guide · Simultaneous Interpretation · Portable Conference · Wireless Intercom · Team Teaching · Hearing Assistance · Personal Listening · Portable Discussion · Portable Presentation

DLT-100 2.0

Digi-Wave™ Digital Transceiver



The DLT-100 2.0 is a portable transceiver capable of transmitting and receiving digital modulated signals up to 100ft outdoors* and up to 200ft indoors* to other DLT-100s, DLR 60s or DLR 50s. Operating on the 2.4GHz ISM band, the DLT-100 2.0 has a high resistance to RF interference and can be used in most countries around the world. Four groups can operate simultaneously in two-way mode and fifteen channels simultaneously in interpretation mode. Patented frequency-hopping software greatly reduces interference potential.

An LCD displays mode set-up, battery life, time and RF strength. All controls are on the front panel and also provide access to change set-up.

- Quick Group Change enables the user to quickly change groups without the need to access the menu.
- Push-to-Talk (PTT) provides a momentary talk button option for Slave Units in 2-way mode.
- Side tone adjustment: 0db, -6dB and -12dB.
- Adjustable Talk "Off" double-beep indication gives the user an audible sound when the TALK button is turned off. Now adjustable up to volume level 37.

*Depending on environmental conditions

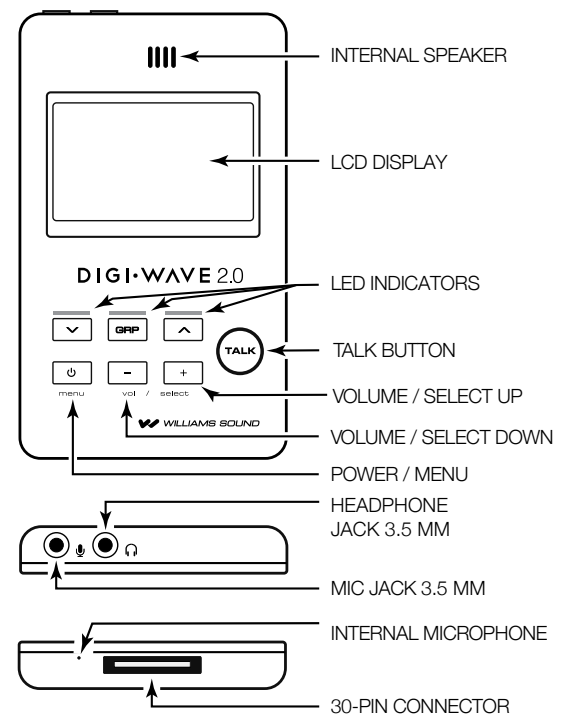
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Dimensions	103 x 62 x 11mm (4.1 x 2.4 x 0.4 inches)
Weight	80g (2.8oz) including battery
Color	Black and silver
Enclosure	Shatter resistant PC/ABS plastic
Battery type	Li Polymer with smart charge built into transceiver
Battery life	Up to 14hrs talk time per charge
Charge time	5hrs. TFP 045 with cable and international adapters Optional two-bay charger CHG 102
Channels	Up to 15 simultaneous channels (Interpretation mode) Up to 4 simultaneous groups (2 way mode)
Operating frequencies	2.4GHz (ISM band) 2.402 – 2.476GHz FHSS
Frequency response	150 – 11KHz
S/N ratio	69dB (A weighted)
THD	0.33 %
Microphone input	Internal microphone (disabled when MIC jack engaged) and 3.5mm stereo jack (tip/sleeve) with electret microphone bias, adjustable gain with 63dB range.
Audio output	Max SSPL 90 111.8dB (EAR 013), 116.8dB (EAR 041) Internal speaker (disabled when ear jack engaged) 16mW @ 33Ω
Range	Up to 100ft outdoors and 200ft indoors*
Modulation	GFSK, binary CDMA
RF output	14dBm Max
Security code	87 bit encryption
Controls	Front panel push buttons for volume up/down, group select, menu access and selection, group change, time, MIC on/off, power on/off, tone control SLOC access and Secure Key access. System reset button (rear panel)
Output	3.5mm stereo/mono jack 30 pin charging jack with audio out to base stations
Side tone	-12dB below volume
Speaker	Internal speaker (disabled when ear jack is engaged)
Indicators	LCD (Group, channel, volume level, battery status, mode, signal strength)
LED's	(charge status, group) Red LED around talk button when enabled. Amber LED signifying group change feature activated.
Maximum presenters	Two presenters at any given time
Approvals	FCC, Industrie Canada, CE, C-tick, RoHS, WEEE
Warranty	2 years parts and labor (90 days on accessories)

*Depending on environmental conditions

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



Digi-Wave™ Digital Transceiver

Architectural and Engineering Specifications

The transceiver shall be a digital transceiver operating on the 2.4GHz ISM band utilizing GFSK modulation with patented frequency-hopping software to reduce interference potential. It shall be housed in plastic enclosure, have an internal rechargeable Lithium Polymer battery with smart charge built into the transceiver and an LCD on the front panel displaying signal strength, battery level, mode and time. It shall have a built-in microphone and speaker for users opting not to use a headset.

The transceiver shall have a battery life up to 14 hrs per charge and take approximately 5 hrs to reach full charge. Power will automatically shut off after approximately one minute when not operating with other compatible devices.

The transceiver shall operate in one-way or two-way mode (two speakers in a group at any given time) and have a range of up to 200ft in two-way mode indoors and up to 100ft outdoors.

The transceiver shall have power, vol +, vol -, talk, CH +, CH -, v, GRP, ^, buttons.

The transceiver shall have an illuminated talk button.

The transceiver shall have a menu setup mode via front panel buttons configurable for (1 or 2-way operation), (master or slave operation) and (floor and 14+ language portable interpretation where common floor language is used).

The transceiver shall have 3.5mm mono/stereo microphone and headphone jacks, all controls are on the front of the unit and a multi-pin style jack on the bottom provides battery charging access. USB charger compatible with iPod® chargers.

The transceiver shall operate 15 simultaneous channels in interpretation mode and 4 simultaneous groups in two-way mode. It shall have a repeater mode to increase the range of the system.

The transceiver shall have a 69dB (A weighted) S/N ratio with a frequency response of 150Hz to 11kHz.

The transceiver shall have FCC, Industrie Canada, C tick and CE approvals and be RoHS and WEEE compliant.

The transceiver shall have a two year parts and labor warranty (90 days on headphones, battery, charger and earphones). This transceiver shall be the Williams Sound model DLT-100 2.0.

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