

# TLK 110

A device designed for you  
and built to last

The TLK 110 combines the flexibility of push-to-talk communication via broadband with the reliability of a rugged, purpose-built radio. With its effortless device management capabilities, the TLK 110 can be optimized for seamless operations, leaving your business safer, smarter and better connected.



## Communication without limits

- Nationwide push-to-talk via broadband
- 4G network speed
- Wi-Fi calling over 2.4 + 5 GHz networks
- Intelligent VOX PTT
- Ergonomically designed
- AI-based noise suppression
- Wideband speaker



## Designed for you, built to last

- Emergency calling
- Dedicated emergency button
- Man down/fall alert
- Lone worker
- 18-hour battery life
- Ergonomically designed
- 2-Line monochrome display
- IP67 rating
- Antimicrobial housing



## Devices managed with ease

- Centralised device provisioning
- Remote software updates
- Remote talkgroup setup
- GPS/GNSS location tracking
- Location-based talkgroups
- Interoperable with smartphones/tablets via WAVE PTX™
- WAVE PTX dispatch compatible

GENERAL SPECIFICATIONS		
Network	3G B1, B2, B4, B5, B8 4G FDD-B2, B4, B5, B7, B12, B13, B17, B25, B26, B66, TD-B41	
Channel capacity	96 channels	
Contact list	1000 contacts	
Dimensions	Without antenna:	Height: 5.3" (134mm) Width: 2.3" (58mm) Depth: 1.0" (24mm)
	With antenna:	Height: 6.7" (171mm) Width: 2.3" (58mm) Depth: 1.0" (24mm)
Weight with battery	6.95 oz (197g)	
Battery capacity	3.7V (Nominal) 2500 mAh with PMNN4578	
Battery (2500mAh Li-Ion battery) Operating hours 5:5:90 Duty cycle <sup>1</sup>	18 hours	
IP rating	IP67	
Ports	USB Type-C (use for charging) 2.5mm audio jack with mechanical lock (use for audio accessories)	
Sensor	Accelerometer	
SIM	1x 3FF-Micro SIM	
Apps	Powered by WAVE PTX	
Encryption	AES 256	
Models available	Pre-installed SIM included in WAVE PTX subscription <sup>2</sup>	

AUDIO SPECIFICATIONS		
Digital vocoder type	AMR-WB, OPUS	
Audio Response (3GPP TS 26.131)	5.4.6	
Audio Output Power (Rated/Max)	1W/2.5W	
Audio Distortion at Rated Audio	<5%	
Maximum Speech Loudness by Default (ISO532B)	96 phon	

MILITARY STANDARD (MIL-STD 810)													
	MIL-STD810C			MIL-STD810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G		MIL-STD 810H	
	Method			Method		Method		Method		Method		Method	
Low Pressure	500.1	I		500.2	II	500.3	II	500.4	II	500.6	II	500.6	II
High Temp	501.1	I, II		501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.6	I/A1, II/A1	501.7	I/A1, II/A1
Low Temp	502.1	I		502.2	I, II	502.3	I, II	502.4	I, II	502.6	I, II	502.7	I, II
Temp Shock	503.1	I		503.2	A1/C3	503.3	A1/C3	503.4	I	503.6	I-C	503.7	I-C
Solar Radiation	505.1	II		505.2	I/A1	505.3	I/A1	505.4	I/A1	505.6	I/A1	505.7	I/A1
Rain	506.1	I, II		506.2	I, II	506.3	I, II	506.4	I, III	506.6	I, III	506.6	I, III
Humidity	507.1	II		507.2	II	507.3	II	507.4	-	507.6	II/ Aggravated	507.6	II/ Aggravated
Salt Fog	509.1	I		509.2	I	509.3	I	509.4	-	509.6	-	509.7	-
Blowing Dust & Sand	510.1	I/-		510.2	I, II	510.3	I, II	510.4	I, II	510.6	I, II	510.7	I, II
Vibration	514.2	VIII/CatF, XI		514.3	I/Cat10, II/Cat3	514.4	I/Cat10, III/Cat3	514.5	I/Cat24, II/Cat5	514.7	I/Cat24, II/Cat5	514.8	I/Cat24, II/Cat5
Shock	516.2	I, II		516.3	I, IV	516.4	I, IV	516.5	I, IV	516.7	I, IV	516.8	I, IV
Contamination by Fluids	-	-		-	-	-	-	-	-	504.2	II	504.3	2.2.6 b

WI-FI SPECIFICATIONS	
Frequency range	2.4 GHz, 5GHz
Standards supported	802.11 a, b, g, n, ac
Security protocol supported	WPA2 (personal and enterprise), WPA3 (personal)
Maximum number of SSIDs	5

BLUETOOTH + GNSS SPECIFICATIONS	
Version	v4.2 (BR/EDR+BLE)
Range	10m
Supported profiles	BLE, SPP, HSP
Simultaneous connections	1 per profile
Constellation support	GPS, GLONASS, galileo, beidou, A-GNSS
Time to first fix, cold start	60s
Time to first fix, hot start	10s
Horizontal accuracy	5m

ENVIRONMENTAL SPECIFICATIONS	
Operating temperature	-20°C to 60°C (radio) / -10°C to 60°C (with battery)
Storage temperature	-40°C to 85°C
Thermal shock	Per MIL-STD 810
Humidity	Per MIL-STD 810
Electrostatic discharge	Per MIL-STD 810
Dust and water intrusion	IP67
Packaging test	Per MIL-STD 810

<sup>1</sup> Battery life may vary depending on use and conditions.

<sup>2</sup> Coverage limited to NA and CA separately, will vary depending on conditions.





## TLK 110 accessories

Further improve your organisation's flexibility with the TLK 110's accessory offerings. The TLK 110 is compatible with a variety of accessories from earpieces and headphones to batteries, power supplies and antennas, so you can find the product that works best for you and your workforce.

### Audio

#### PMLN7159

Adjustable D-style earpiece with in-line microphone and push-to-talk



#### PMLN8298

WP300 wireless bluetooth control pod with PTT button<sup>3</sup>



### Energy

#### PMLN8569

TLK 110 6-pocket multi-unit charger



#### PMNN4578

Lithium Ion 2500 mAh battery



### Carry

#### PMLN7128

Heavy duty swivel belt clip



### Antenna



32012144001	Grey antenna ID, pack of 10 units
32012144002	Yellow antenna ID, pack of 10 units
32012144003	Green antenna ID, pack of 10 units
32012144004	Blue antenna ID, pack of 10 units
32012144005	Purple antenna ID, pack of 10 units



<sup>3</sup> WP300 requires compatible earpiece: PMLN8190, PMLN8077 or PMLN8125



## Additional compatible accessories for TLK 110

### WIRED AUDIO ACCESSORIES

PMLN7156	Mag One Earbud with In-Line Microphone and Push-To-Talk, Black
PMLN7189	Swivel Earpiece with In-Line Microphone and Push-To-Talk
PMLN7157	2-Wire Surveillance Kit, Black
PMLN7158	1-Wire Surveillance Kit, Black
PMLN8191	1-Wire Clear Tube Earpiece, 2.5mm Angled Single Pin
PMMN4125	RM250 Wired Remote Speaker Microphone, Large (IP67)

### WIRELESS AND SECONDARY AUDIO ACCESSORIES

PMMN4127	WM500 Wireless Remote Speaker Microphone
PMLN8123	EP910W Wireless Earpiece PTT
PMLN7560	Receive-Only Earpiece with Translucent Tube and Rubber Eartip for RM250 and WM500 RSMs
PMLN8077	Single Pin Over-the-Ear Earpiece for WP300 Bluetooth Control Pod
PMLN8125	Single Pin Short Cord Earpiece for WP300 Bluetooth Control Pod
PMLN8190	1-Wire Clear Tube Earpiece, 2.5mm Straight Single Pin for WP300 Bluetooth Control Pod
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip
5080384F72	Replacement Foam Plugs for RLN6242. Noise Reduction = 24 dB. Pack of 50 Pairs
RLN6282	Replacement Standard Clear Rubber Eartip for RLN6242, Pack of 50
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip

### POWER ACCESSORIES

PS000150A31	USB-A Wall Charger, 5V/1.5A, 240VAC (NA/Japan Plug) <sup>4</sup>
PS000150A32	USB-A Wall Charger, 5V/1.5A, 240VAC (Euro Plug) <sup>4</sup>
PMKN4294	USB-C to USB-A Cable
HKLN4690	TLK 110 Battery Cover

### CARRY ACCESSORIES

PMLN8439	Swivel Carry Holster
PMLN6074	Nylon Wrist Strap for Securely Carrying Motorola Two-Way Radios

### ANTENNAS

HKAN4005	NA Stubby Antenna
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<sup>4</sup> USB cable for wall adapters sold separately

To learn more, visit: [www.motorolasolutions.com](http://www.motorolasolutions.com)



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