

# 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 optimised for seamless operations, leaving your business safer, smarter and better connected.

## KEY FEATURES



### COMMUNICATION WITHOUT LIMITS

- In-country and cross border PTT via broadband
- Communicate wherever your network takes you
- Wi-Fi calling over 2.4 and 5 GHz networks
- Intelligent VOX PTT
- Ergonomically designed
- AI-backed noise suppression



### 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,B5,B8; 4G FDD-B1,B3,B5,B7,B8,B20,B28,TDD-B38,B40,B41		
Channel Capacity	96 Channels		
Contact List	1000 Contacts		
Dimensions	Without Antenna:	Height: 134mm (5.3")	Width: 58mm (2.3")
		Depth: 24mm (1.0")	
	With Antenna:	Height: 171mm (6.7")	Width: 58mm (2.3")
		Depth: 24mm (1.0")	
Weight with Battery	197g (6.95 oz)		
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 - data service included in WAVE PTX subscription <sup>2</sup> SIM free - add your own SIM and data service <sup>3</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	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE
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

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

<sup>2</sup> Coverage limited to EU, EFTA and UK and will vary depending on conditions

<sup>3</sup> Geographic availability and network compatibility restricted - contact your Motorola Solutions representative for details.

## WI-FI SPECIFICATIONS

Frequency Range	2.4 GHz, 5 GHz		
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		



## 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>4</sup>



### ENERGY

#### 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>4</sup> WP300 requires compatible earpiece: PMLN8190, PMLN8077 or PMLN8125

# ADDITIONAL COMPATIBLE ACCESSORIES FOR TLK 110

## WIRED AUDIO ACCESSORIES

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

## WIRELESS AND SECONDARY AUDIO ACCESSORIES

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

## POWER ACCESSORIES

<b>PS000150A31</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (US/Japan Plug) <sup>5</sup>
<b>PS000150A32</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (Euro Plug) <sup>5</sup>
<b>PS000150A33</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (UK/HK Plug) <sup>5</sup>
<b>PS000150A34</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (AUS/NZ Plug) <sup>5</sup>
<b>PS000150A35</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (ARG Plug) <sup>5</sup>
<b>PS000150A37</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (Korea Plug) <sup>5</sup>
<b>PS000150A38</b>	USB-A Wall Charger, 5V/1.5A, 240VAC (Brazil Plug) <sup>5</sup>
<b>PMKN4294</b>	USB-C to USB-A Cable
<b>HKLN4690</b>	TLK 110 Battery Cover

## CARRY ACCESSORIES

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

## ANTENNAS

<b>HKAN4006</b>	Intl. Stubby Antenna
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<sup>5</sup> USB cable for wall adapters sold separately

For more information, please visit us at  
[AIRCOMM.COM/WAVE](https://aircomm.com/wave)



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