

# 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")<br>Width: 58mm (2.3")<br>Depth: 24mm (1.0")<br><br>With Antenna: Height: 171mm (6.7")<br>Width: 58mm (2.3")<br>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)<br>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><br>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



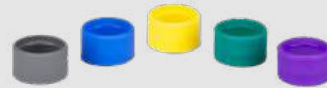
### ENERGY

#### PMNN4578

Lithium Ion 2500 mAh Battery



### 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 |

### PMLN8298

WP300 Wireless Bluetooth Control Pod with PTT Button<sup>4</sup>



### CARRY

#### PMLN7128

Heavy Duty Swivel Belt Clip



<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 |
|-----------------|----------------------|

<sup>5</sup> USB cable for wall adapters sold separately

For more information, please visit us at  
[www.motorolasolutions.com/WAVEPTX](http://www.motorolasolutions.com/WAVEPTX)



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