

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 ¹ | 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 ² SIM free - add your own SIM and data service ³ |

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 |

¹ Battery life may vary depending on use and conditions

² Coverage limited to EU, EFTA and UK and will vary depending on conditions

³ 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 Button⁴



CARRY

PMLN7128

Heavy Duty Swivel Belt Clip



⁴ 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 |

POWER ACCESSORIES

| | |
|--------------------|--|
| PS000150A31 | USB-A Wall Charger, 5V/1.5A, 240VAC (US/Japan Plug) ⁵ |
| PS000150A32 | USB-A Wall Charger, 5V/1.5A, 240VAC (Euro Plug) ⁵ |
| PS000150A33 | USB-A Wall Charger, 5V/1.5A, 240VAC (UK/HK Plug) ⁵ |
| PS000150A34 | USB-A Wall Charger, 5V/1.5A, 240VAC (AUS/NZ Plug) ⁵ |
| PS000150A35 | USB-A Wall Charger, 5V/1.5A, 240VAC (ARG Plug) ⁵ |
| PS000150A37 | USB-A Wall Charger, 5V/1.5A, 240VAC (Korea Plug) ⁵ |
| PS000150A38 | USB-A Wall Charger, 5V/1.5A, 240VAC (Brazil Plug) ⁵ |
| 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

| | |
|-----------------|----------------------|
| HKAN4006 | Intl. Stubby Antenna |
|-----------------|----------------------|

⁵ USB cable for wall adapters sold separately

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