

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



Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice. MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license.

All other trademarks are the property of their respective owners. ©2023 Motorola Solutions, Inc. All rights reserved. 01-2023 [EV04]

0845 600 4 900

www.ninehundred.co.uk

sales@ninehundred.co.uk