Data Sheet

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
- Al-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



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Network	3G B1, B2, B4, B5, B 4G FDD-B2, B4, B5, B66, TD-B41	8 B7, B12, B13, B17, B25, B26,
Channel capacity	96 channels	
Contact list	1000 contacts	
Dimensions	Without antenna: With antenna:	Height: 5.3" (134mm) Width: 2.3" (58mm) Depth: 1.0" (24mm) Height: 6.7" (171mm) Width: 2.3" (58mm) Depth: 1.0" (24mm)
Weight with battery	6.95 oz (197g)	
Battery capacity	3.7V (Nominal) 250	0 mAh with PMNN4578
Battery (2500mAh Li-lon battery) Operating hours 5:5:90 Duty cycle ¹	18 hours	
IP rating	IP67	
Ports	USB Type-C (use fo 2.5mm audio jack v accessories)	r charging) vith mechanical lock (use for audio
Sensor	Accelerometer	
SIM	1x 3FF-Micro SIM	
Apps	Powered by WAVE F	PTX
Encryption	AES 256	
Models available	Pre-installed SIM in	cluded in WAVE PTX subscription ²

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

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

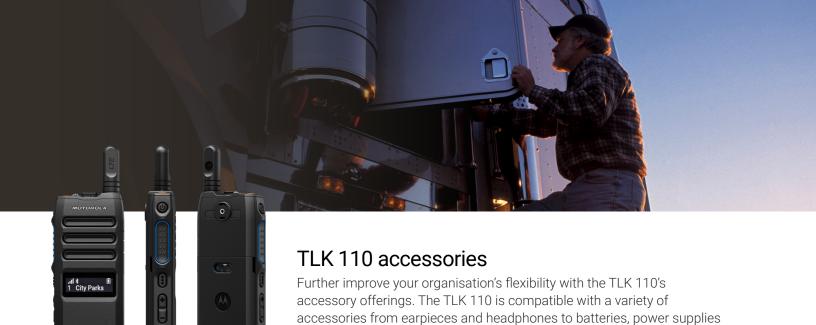
BLUETOOTH + GNSS SPECIFICATIONS				
Version	v4.2 (BR/EDR+BLE)			
Range	10m			
Supported profiles	BLE, SPP, HSP			
Simultaneous connections	1 per profile			
Constellation support	GPS, GLONASS, galileo, beidou, A-GNSS			
Time to first fix, cold start	60s			
Time to first fix, hot start	10s			
Horizontal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

Battery life may vary depending on use and conditions.
 Coverage limited to NA and CA separately, will vary depending on conditions.

MILITARY STANDARD (MIL-STD 810)													
	MIL-STI	D810C	MIL-STD810D		MIL-ST	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	1, 11	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	1	502.2	1, 11	502.3	1, 11	502.4	I, II	502.6	1, 11	502.7	1, 11	
Temp Shock	503.1	I	503.2	A1/C3	503.3	A1/C3	503.4	1	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	1, 11	506.2	1, 11	506.3	1, 11	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	1	509.3	1	509.4	-	509.6	-	509.7	-	
Blowing Dust & Sand	510.1	I/-	510.2	1, 11	510.3	1, 11	510.4	l, II	510.6	1, 11	510.7	1, 11	
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	1, 11	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	





Audio

PMLN7159

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



Energy

PMLN8569

TLK 110 6-pocket multi-unit charger



Carry PMLN7128 Heavy duty swivel belt clip



PMLN8298

your workforce.

WP300 wireless bluetooth control pod with PTT button³



PMNN4578

Lithium Ion 2500 mAh battery



Antenna

and antennas, so you can find the product that works best for you and



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 $^{^{\}rm 3}$ 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)⁴	
PS000150A32	USB-A Wall Charger, 5V/1.5A, 240VAC (Euro Plug)⁴	
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

⁴ USB cable for wall adapters sold separately

To learn more, visit: www.motorolasolutions.com



