

The ProTalk TK-3401D is a license-free UHF digital transceiver featuring digital dPMR446 and analogue PMR446 communications.

Both digital and analogue communications

Up to 32 channels are available split into 2 zones. 16 digital dPMR446 channels and 16 analogue PMR446 channels.

Ease of use

Simple and license-free operation in an all-in-one package ready for immediate use.

Durability

IP54/55 and US MIL-STD 810 C, D, E, F, and G standard-compliant.

High-quality audio, powerful output

An AMBE+2™ vocoder delivers high-quality audio with minimum delay and BTL audio amplifier for powerful 1W output.

Wide talk range

Digital mode allows for wider reception range while achieving a talk range of up to 9 km in analogue mode.

OPTION

KNB-45L Li-ion Battery (7.4V/2000mAh)		KMC-45 Speaker Microphone		KHS-21 Headset	
KNB-53N Ni-MH Battery (7.2V/1400mAh)		KEP-2 2.5mm Earphone Kit		KHS-22 Behind-the-Head Lightweight Headset	
KSC-35S Rapid Charger (for KNB-45L/ 69L)		KHS-1 Headset w/ PTT/VOX		EMC-11 Clip Microphone w/ Earphone	
KSC-43 Rapid Charger (for KNB-53N)		KHS-7 Single Muff Headset		EMC-12 Clip Microphone w/ Earphone	
KSC-316 Multiple Charger (6-unit Rapid Rate)		KHS-7A Single Muff Headset w/ in-line PTT		KBH-10 Belt Clip	
KSC-356 Multiple Charger (6-unit Rapid Rate)		KHS-8BL 2-Wire Palm Microphone w/ Earphone		KWR-1 Water Resistance Bag	
KMC-21 Speaker Microphone (Compact Low-Profile)		KHS-9BL 3-Wire Palm Microphone w/ Earphone		KLH-187 Nylon Case	
		KHS-10-OH Heavy-duty headset		KLH-131PC Leather Case	

TK-3401D SPECIFICATIONS

GENERAL		
Frequency Range	Analogue	446.0 to 446.1MHz
	Digital	446.1 to 446.2MHz
Number of Channels	32ch / 2zone	
Channel Spacing	Analogue	12.5 kHz
	Digital	6.25 kHz
Operating Voltage	7.5V DC ± 20%	
Battery Life (5-5-90)*1	KNB-45L	Battery Save: OFF 14 hours Battery Save: ON 18 hours
Frequency Stability	±1.0 ppm	
Dimensions (WxHxD), Weight	Radio only	54x122x33.7mm, 165g
	KNB-45L, 53N	54x122x35.5mm, 280g, 350g
RF Power Output	ERP 500 mW	
Audio Output	Internal Speaker	1W / 12Ω
	External Output	500 mW / 8Ω
Modulation	Narrow (12.5kHz)	8K50F3E
	Very Narrow (6.25kHz)	4K00F1E

*1 Based upon 5% transmit/ 5% receive/ 90% standby (standard duty cycle)

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UHF DIGITAL TRANSCEIVER TK-3401D



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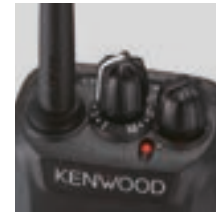
Actual size



User-friendly and durable design to best serve your work needs.

Digital/analogue compatibility

The TK-3401D features the latest digital dPMR446 technology for better radio interference protection. It's easy to switch between digital and analogue modes, with a total of 32 channels (16 digital and 16 analogue) in two zones, which is ideal for use with current analogue transceivers with a view to gradually switching to digital.



User-friendly - no license required

The TK-3401D is a license-free dPMR446 and PMR446 UHF digital transceiver. The ready-to-use package comes with a transceiver, rechargeable battery, battery charger, and belt clip. The TK-3401D is perfect for professional applications needing to cover only small areas without the need for a repeater.



High-quality audio, powerful output

• Digital technology's lack of residual noise produces clear, crisp audio quality



«Upper» Residual noise in analogue mode drowns out voices, making it hard to hear.

«Lower» The lack of residual noise in digital mode delivers clear, crisp communications.

• DSP delivers high-quality audio with minimal delay

The high-quality audio design draws on Kenwood's state-of-the-art technology and features a DSP with an AMBE+2™ vocoder. Optimized DSP internal processing also minimizes the delay associated with digital voice audio.

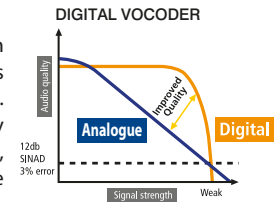
• A BTL audio amplifier delivers powerful 1W output (with internal speaker)

Combined with the large internal speaker, the powerful output delivers reliable audio even in noisy environments.



Digital technology provides superior clarity in extended coverage

As RF signal strength weakens with distance, analogue reception becomes increasingly noisy and intermittent. dPMR446's digital modulation technology improves reception in fringe areas, thereby "effectively" increasing coverage as much as 20% compared to analogue.



IP54/55 and US MIL-STD 810 C, D, E, F, and G standard-compliant

Standard	MIL 810C Methods	MIL 810D Methods	MIL 810E Methods	MIL 810F Methods	MIL 810G Methods
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II
Temperature Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III
Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II
Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5
Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Shock	516.2/I, II, V	516.3/I, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV
International Protection Standard					
Dust & Water Protection	IP54, IP55				

A High-Capacity battery for long-lasting operation

The TK-3401D comes with a high-capacity 2,000mAh Li-Ion battery to deliver up to 24 hours of operation. The ability to keep going with no battery replacement means better reliability even in harsh working environments.

254 common ID codes (Digital Mode)

The pre-programmed QT tone frequencies can be changed for each channel. The TK-3401D also offers DQT for a quiet standby mode.

Compatible with QT/DQT (Analogue Mode)

You can change the pre-programmed QT tone frequencies for each channel. The TK-3401D also offers DQT for a quiet standby mode.

Other features:

- Voice Announcement •Self programming •SCAN(Zone/Normal/S.Priority)
 - Built-in VOX function*•Blue LED •Analogue Scrambler •PC Programming
- *Optional KHS-21 required.