

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

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

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	Battery Save: ON
		14 hours	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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Communications Systems Division
KENWOOD Corporation

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KENWOOD

UHF DIGITAL TRANSCEIVER
TK-3401D



License Free Radio



ProTalk
DIGITAL

UHF DIGITAL TRANSCEIVER TK-3401D



License Free Radio



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.



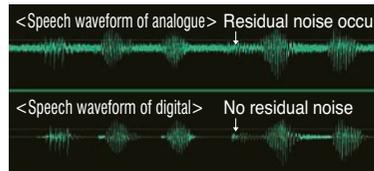
User-friendly - no license required

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.

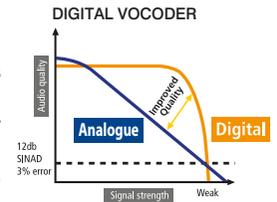
• A BTL audio amplifier delivers powerful 1W output (with internal speaker)

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 18 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)

You can change the pre-programmed common ID for each channel.

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
- *Headset required.