KENWOOD

ProTalk®

43Y985/43Y986/43Y987/43Y988

(TK-2400V4P) (TK-2400V16P) (TK-3400U4P) (TK-3400U16P)

Compact VHF/UHF FM 2-Watt Portable Radios

The compact ProTalk® business radios **43Y985/43Y986/43Y987/43Y988** – are Kenwood's latest portable two-way radios. Offering the ideal solution for communications in construction, manufacturing and warehousing, retail, hospitality, facility management and rental fleet applications. Elegantly engineered to provide superb ease of use and audio clarity, even in noisy environments, it also boasts rugged reliability for dependable communications in all weather conditions.

COMPACT DESIGN

Ergonomically contoured for comfort, the ProTalk® naturally fits the hand for a sure grip. Featuring a non-slip elastomer channel knob with improved torque characteristics, it ensures positive response while avoiding accidental changes.

4 & 16 CHANNEL MODELS

ProTalk® 4 and 16 channel models are available to match your needs and requirements, offering ample capacity for multiple channels or radio systems.
- 4 channel (VHF: 43Y985, UHF: TK-43Y987)
- 16 channel (VHF: 43Y986, UHF: 43Y988)

FREQUENCY & QT/DQT
(Narrowband Compliant)

Users can program a ProTalk® to any of the pre-stored frequencies and QT/DQT codes, thus assuring compatibility with other brands. The ProTalk® VHF 4 and 16 channel models have 27 pre-stored frequencies while the ProTalk® UHF 4 and 16 channel models have 90. Whichever model you pick, there are 39 QT tones and 168 DQT codes*.

For licensing information, please contact the FCC at http://www.fcc.gov

*QT & DQT may also be referred to under other brand acronyms as PL, CG, CTCSS & DPL, DCG, DCS.

SUPER LOCK

An added convenience: managers can "Super Lock" all user controls (except PTT and volume) to prevent accidental channel changes.

WIRELESS CLONING

This feature simplifies the setting up of multiple ProTalk® radios for identical functions, eliminating the need to customize individual radios. (Dealer function only)

CALLING ALERT

This is useful for attracting the attention of staff in noisy environments: pressing the Calling Alert key causes an alert tone to be heard from the other radio's speaker.

INTERNAL VOX/HANDS FREE READY

In many circumstances, workers do not have a free hand to use their radio. VOX (voice-operated transmission) is invaluable for enabling smooth, hands-free communications: the radio itself provides automatic PTT action, while the user simply talks. VOX works with a Kenwood-compatible headset.

TOUGH & WATER RESISTANT

Expertly engineered for rugged work environments, the ProTalk® has been designed to pass industrial drop tests, international IP54/55 water and dust intrusion tests and 11 categories of the U.S. Department of Defense MIL-STD 810 C, D, E, F & G environmental standards tests.

2 WATTS TRANSMIT POWER / RANGE UP to 6 MILES

Kenwood's ProTalk® provides 2 watts of RF power to enable direct radio-to-radio communications on the same frequency (simplex) for distances of up to 6 miles*.

Conditions	TK-2400VP	TK-3400UP
Open areas without obstructions	Up to 6 miles (9.6 km)	Up to 6 miles (9.6 km)
In steel and/ or concrete reinforced buildings	Up to 220,000 sq. ft. (20,400 SQ. M)	Up to 250,000 sq. ft. (23,220 SQ. M)
In high-rise buildings	Up to 13 floors	Up to 20 floors

*Talk range will vary based on terrain, conditions and type of radio.

OTHER FEATURES
- Voice Annunciation • Time Out Timer • Battery Save
- Low-Battery Warning • Channel Confirmation Mode
- Programmable Frequency Scrambler by Channel
- 4-color LEDs (blue, red, orange, green) • 2 Year Radio Warranty

2 Year Warranty

Options

- **9KJ70** (KNB-29N)
  Ni-MH Battery Pack
  (1,500mAh)

- **4KYD5** (KNB-45L)
  2,000mAh/7.4V
  Li-Ion Battery Pack

- **4KYD7** (KSC-35SK)
  Fast Charger
  For the KNB-45L (3-Hour)

- **43Y993** (KVC-22)
  DC Vehicular
  Charger Adapter

- **43Y994** (KRA-41)
  VHF Stubby Antenna

- **43Y995** (KRA-42)
  UHF Stubby Antenna

- **4KYD1** (KRA-22)
  VHF Low Profile
  Helical Antenna

- **4KYD2** (KRA-23)
  UHF Low Profile
  Helical Antenna

- **4KYD3** (KRA-26)
  VHF Helical Antenna

- **4KYD4** (KRA-27)
  UHF Whip Antenna

- **4NPD7** (KMC-45)
  Speaker Microphone

- **4NPD6** (KMC-21)
  Compact Speaker
  Microphone

- **4NPD5** (KEP-2)
  Earphone Kit for
  KMC-45
  (2.5mm plug)

- **4KYE7** (KHS-7)
  Single Muff Headset

- **4KYE8** (KHS-7A)
  Single Muff Headset
  with In-line PTT

- **4KYE9** (KHS-8BL)
  2-wire Palm Mic
  with Earphone (Black)

- **4KYF2** (KHS-9BL)
  3-wire Lapel Mic
  with Earphone (Black)

- **4NPC9** (KHS-22)
  Behind-the-head
  Headset with PTT

- **4NPD1** (KHS-23)
  2-wire Palm Mic

- **4NPD2** (KHS-25)
  D-Ring Ear Hanger
  with PTT & Boom Mic

- **4NPD3** (KHS-26)
  Earbud In-line
  PTT Headset

- **4NPD4** (KHS-27)
  D-Ring In-line
  PTT Headset

- **43Y991** (KHS-31)
  C-Ring PTT Ear
  Hanger Headset

- **4KYE1** (KMB-28)
  Six Unit Charger
  Adapter (for six
  KSC-35SK chargers (chargers not included)

- **4KYE2** (KBH-10)
  Belt Clip

- **43Y992** (KLH-187)
  Nylon Case

All accessories and options may not be available in all markets.
Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

Model	43Y985/43Y986 (TK-2400V4/16P)	43Y987/43Y988 (TK-3400U4/16P)
GENERAL		
Pre-set Frequencies	27 (151-159 MHz)	90 (451-470 MHz)
Number of Channels		
K		4
K2		16
Channel Spacing		
Wide/Narrow		25 kHz / 12.5 kHz
Operating Voltage		7.5V DC±20%
Battery Life (5-5-90 duty cycle battery saver OFF)		
with 4KYD5 (2000mAh)		More than 17 hours
Operating Temperature Range*		-22°F ~ +140°F (-30°C ~ +60°C)
Frequency Stability		±2.5ppm (-22°F ~ +140°F)
Antenna Impedance		50 Ω
Dimensions (W x H x D), Projections not Included		
Radio Only		2.13 x 4.8 x 1.32 inch (54 x 122 x 33.7mm)
with 4KYD5		2.13 x 4.8 x 1.32 inch (54 x 122 x 33.7mm)
Weight (net)		
Radio Only		5.8oz (165g)
with 4KYD5		9.9oz (281g)
FCC ID	ALH434901	ALH435002

-14°F ~ +140°F (-10°C ~ +60°C) When 4KYD5 in use.

ACCESSORIES INCLUDED

- **4KYD5** (KNB-45L) Li-Ion Battery
- **4KYD7** (KSC-35SK) 3-Hour Fast Charger
- **4KYE2** (KBH-10) Spring Action Belt Clip
- Removable Antenna

Model	43Y985/43Y986 (TK-2400V4/16P)	43Y987/43Y988 (TK-3400U4/16P)
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity (12dB SINAD)		
Wide/Narrow		0.25µV/0.28µV
Selectivity		
Wide/Narrow		70dB/60dB
Intermodulation Distortion		
Wide/Narrow		70dB/60dB
Spurious Response		70dB
Audio Distortion		less than 10% distortion
Audio Output		1 W / 12 Ω (Internal Speaker)
		500mW / 8 Ω (External Speaker)
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High/Low		2W/1W
Spurious Response		70dB
FM Hum & Noise		
Wide/Narrow		45/40dB
Audio Distortion		Less than 5%
Modulation		
Wide/Narrow		16KØF3E/11KØF3E

Specifications shown are typical.
Specifications are subject to change without notice, due to advancements in technology.

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Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II	501.5/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection	IP54/55*				

To meet IP54/55, the 2-pin connector cover has to be connected on the radio or the locking bracket has to be attached to the KMC-45 external speaker microphone.

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