

# KCH-21R

## HANDHELD CONTROL HEAD FOR NX-5000 SERIES MOBILE RADIOS

This Handheld Control Head (HHCH) is an option for the NX-5000 Series mobile radios for use with P25, NXDN and DMR digital protocols. The new HHCH allows for single-hand operation with the ability to control PTT, volume and channel selection. The HHCH operation is similar to that of the KCH-19 and KCH-20R control heads, making the operation intuitive to the user. It supports both single deck and multi-deck operation.



### FEATURES

- Speaker microphone with control head capability
- Handheld design offers one-handed operation of PTT, volume and channel selection
- Designed to work with the NX-5000 Series mobile radios using Control Head Remote Kit
- Intuitive operation similar to that of the KCH-19 and KCH-20R control heads
- Built-in speaker with 1 W output
- Active noise reduction for a single microphone enabled by DSP on the radio
- 3.5mm-diameter earphone jack on the bottom
- Large 1.74-inch TFT/transflective LCD for at-a-glance operational status checking
- Intuitive GUI – 14-character full-color display with 5 lines for menus and icons
- 7-color programmable LED located at the top for easy recognition
- Multi-head/Multi-deck Configuration
- Built-in Bluetooth® with HSP (headset) and SPP (serial port) profiles
- Data interface for radio programming, keyloading and data I/O
- Optional adapter for the RF Deck (KRK-15BM Control Head Remote Kit) is required for connection to the mobile radio

### MULTIPLE REMOTE CONTROL HEAD CONFIGURATIONS

- Intuitive graphical UI is used even for the selection of multiple RF decks.



Dual Remote Control Heads x Multi RF Decks



Dual Remote Control Heads x Single RF Deck



### Multi-Protocol

Unsurpassed interoperability for Public Safety and Enterprise radio users with the freedom to migrate at your own pace.



### Gen2

Scalable server-based system architecture for management of NEXEDGE wide area digital communications systems.



### Klarity

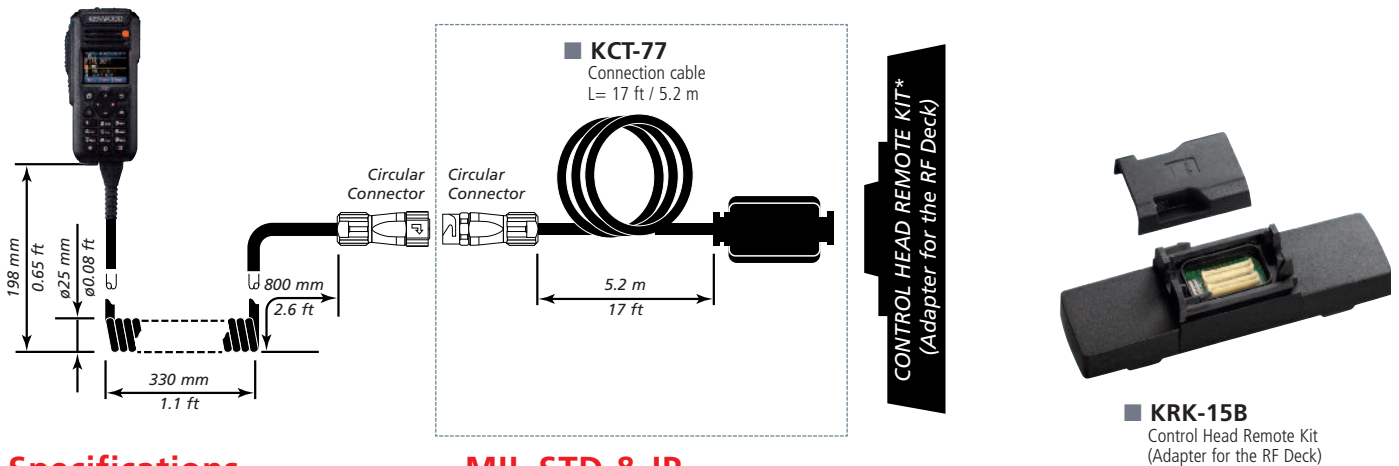
The ultimate level of sound clarity technology combining Optimization, advanced Sound Analysis and Active Noise Reduction.

# Panel Keys (all keys except Power and PTT are programmable) KCH-21R Handheld Control Head



## Connection & Cabling

Connecting the HANDHELD CONTROL HEAD to the CONTROL HEAD REMOTE KIT (KRK-15B) via the CONNECTION CABLE (KCT-77): Because the connection cables are long enough, flexible cabling is enabled to remote control the vehicle-mount RF deck even from the outside of the vehicle.



## Specifications

	KCH-21R (M Type)
<b>GENERAL</b>	
Audio Output Power	1.0W max. /8 Ω (5 % distortion)
Operating Temperature	-22 °F to +140 °F (-30 °C to +60 °C)
Dimensions (W x H x D)	2.25 x 5.31 x 1.18 in.
Projections not included	2.25 x 5.31 x 1.18 in.
Weight (net) W/Cable	17.6 oz (500 g)

## MIL-STD & IP

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

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# KENWOOD

JVCKENWOOD USA Corporation  
Communications Sector Headquarters

3970 Johns Creek Court, Suite 100, Suwanee, GA 30024-1265

Order Administration/Distribution

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745

[www.kenwood.com/usa](http://www.kenwood.com/usa)

JVCKENWOOD Canada Inc.

Canadian Headquarters and Distribution

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

[www.kenwood.com/ca](http://www.kenwood.com/ca)



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