

# KCH-16

## INSTRUCTION MANUAL

### THANK YOU

We are grateful you have chosen **Kenwood** for your mobile applications. We believe this easy-to-use handheld control head will provide dependable communications to keep personnel operating at peak efficiency.

Only basic operations are explained in this instruction manual. For a detailed explanation on the operations, refer to the Transceiver's instruction manual.

### FEATURES

- The KCH-16 is a full-control optional microphone for use with the TK-5710/5810 P25/FM analog Dual Mode transceiver.
- By connecting the KCH-16 to the optional KRK-11 handheld control head interface kit, you can control the transceiver using the microphone in the same way that the KCH-14/15 can be used.

### NOTICES TO THE USER

- Government law prohibits the operation of unlicensed transmitters within the territories under government control.
- Illegal operation is punishable by fine and/or imprisonment.
- Refer service to qualified technicians only.

### One or more of the following statements may be applicable:

#### FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

#### INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

### PRECAUTIONS

Observe the following precautions to prevent fire, personal injury, and KCH-16/ transceiver damage.

- Do not drop the KCH-16; strong impacts can damage the internal components.
- Do not over stress the KCH-16 cable by pulling on it with excessive force.
- Do not attempt to configure the KCH-16/ transceiver while driving; it is too dangerous.
- Do not disassemble or modify the KCH-16/ transceiver for any reason.
- Do not expose the KCH-16/ transceiver to long periods of direct sunlight, nor place it near heating appliances.
- If an abnormal odor or smoke is detected coming from the KCH-16 or transceiver, switch the KCH-16/ transceiver power off immediately, and contact your **Kenwood** dealer.

- Use of the KCH-16/ transceiver while you are driving may be against traffic laws. Please check and observe the vehicle regulations in your area.
- Do not use options not specified by **Kenwood**.

### UNPACKING AND CHECKING EQUIPMENT

**Note:** The following unpacking instructions are for use by your **Kenwood** dealer, an authorized **Kenwood** service facility, or the factory.

Carefully unpack the Handheld Control Head. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, file a claim with the carrier immediately.

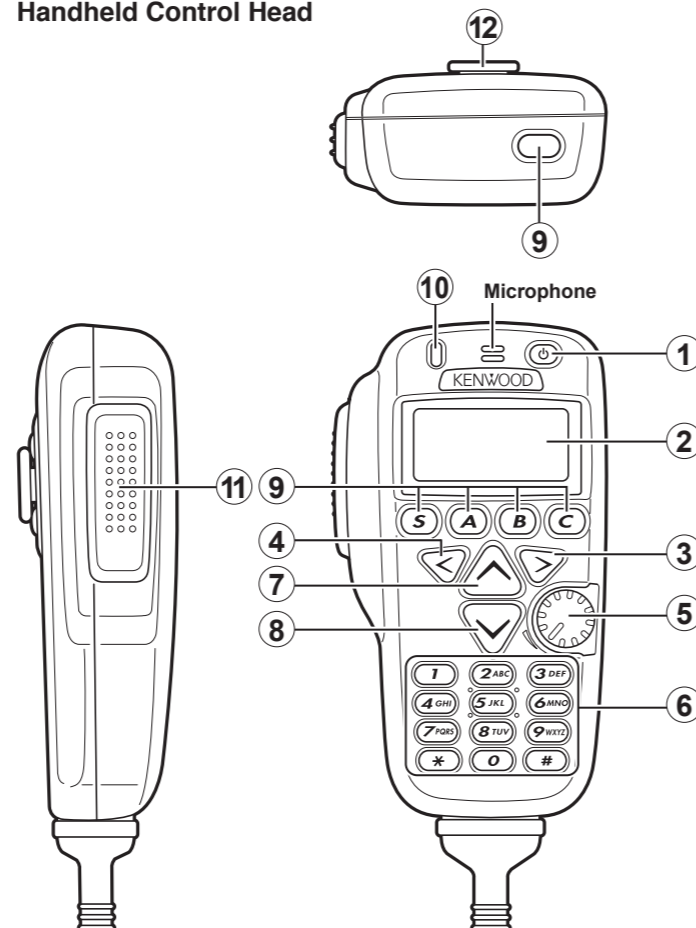
#### Supplied Accessories

Item	Part Number	Quantity
Hanger (with 4 x 16 mm self-tapping screws)	J19-5482-XX	1 set
Instruction manual	B62-2101-XX	1

### SPECIFICATIONS

Operating temperature range		-30°C ~ +60°C
Microphone impedance		2.2 kΩ (Max)
Dimensions (W x H x D)	without projections	58 x 125 x 31.5 mm 2.3 x 4.9 x 1.2 inches
	with projections	68 x 125 x 36 mm 2.7 x 4.9 x 1.4 inches
Weight	Cable not included	Approx. 185 g / 6.5 oz
	Cable included	Approx. 280 g / 9.9 oz

### GETTING AQUAINTED Handheld Control Head

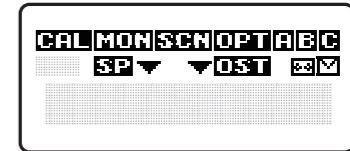


- Power switch**  
Press to switch the transceiver ON. Press and hold for approximately 1 second to switch the transceiver OFF.
- Display**
- Right (Zone Up) > key**  
Press to increase the zone number (Default setting). Also press to increase setting adjustments.
- Left (Zone Down) < key**  
Press to decrease the zone number (Default setting). Also press to decrease setting adjustments.
- VOL (Volume) control**  
Rotate clockwise to increase the volume level. Rotate counterclockwise to decrease the volume level.
- DTMF keypad**  
Press the keys on the keypad to make DTMF calls. The default setting is None (no function).
- Up (Channel Up) ^ key : PF 6 (Programmable Function) key**  
Press to increase the channel number (Default setting). Your dealer can also enable the **CH** key to be used when making setting adjustments, as an optional method for using the **Right >** key.
- Down (Channel Down) v key : PF 7 (Programmable Function) key**  
Press to decrease the channel number (Default setting). Your dealer can also enable the **CH** key to be used when making setting adjustments, as an optional method for using the **Left <** key.
- S/A/B/C/Orange (Programmable Function) keys**  
Press to activate their programmable functions. The default setting is None (no function).
- TX/ BUSY indicator**  
The **TX/ BUSY** indicator lights red while transmitting and green while receiving.
- PTT (Push-To-Talk) switch**  
Press and hold this switch, then speak into the microphone to call a station.
- HOOK**

### Key name (function) comparison (in regards to the KCH-14/ KCH-15)

	KCH-14	KCH-15	KCH-16
GRP ^ (Zone Up)	GRP ^ (Zone Up)	GRP ^ (Zone Up)	<b>Right (Zone Up) &gt;</b>
GRP v (Zone Down)	GRP v (Zone Down)	GRP v (Zone Down)	<b>Left (Zone Down) &lt;</b>
CH (Channel)	CH (Channel Up/Down)	CH (Channel Up/Down)	
MON (Monitor)		MON (Monitor)	
SCN (Scan)		SCN (Scan)	
PF 1	PF 1 (None)	PF 1 (None)	<b>S (None)</b>
PF 2	PF 2 (None)	PF 2 (None)	<b>A (None)</b>
PF 3	PF 3 (None)	PF 3 (None)	<b>B (None)</b>
PF 4	PF 4 (None)	PF 4 (None)	<b>C (None)</b>
PF 5	PF 5 (None)	PF 5 (None)	<b>Orange (None)</b>
PF 6		PF 6 (None)	<b>Up (Channel Up) ^</b>
PF 7		PF 7 (None)	<b>Down (Channel Down) v</b>
PF 8		PF 8 (None)	
PF 9		PF 9 (None)	

### Display



Indicator	Description
	Displays the operating zone and channel numbers or zone and channel names. Also displays various text messages depending on the function being used.
	Displays various characters depending on dealer settings.
<b>CAL</b>	Appears when a received call is using optional signaling.
<b>MON</b>	Appears when the Monitor function is active and when the transceiver squelch is open.
<b>SCN</b>	Appears when you are using Scan mode.
<b>SP</b>	Appears when the external speaker function is activated.
<b>OPT</b>	Appears when the Scrambler or Encryption function is activated.
<b>A</b>	Appears when the AUX A function has been activated.
<b>B</b>	Appears when the AUX B function has been activated.
<b>C</b>	Appears when the AUX C function has been activated.
<b>OST</b>	Appears when using the Operator Selectable Tone function.
<b>✉</b>	Appears when there is a FleetSync message stored in the transceiver memory. Flashes when a new FleetSync message has arrived.
<b>▼</b>	Appears when the selected zone (left icon) or channel (right icon) is added to the scanning sequence.
<b>📻</b>	Appears when the Auto Recording function on the VGS-1 option is activated.
<b>📧</b>	Appears when the Auto Reply Message on the VGS-1 option is activated. (The location of this icon is the same as the Auto Recording icon.)
<b>📶</b>	The numbers of bars indicates the strength of incoming signals. The antenna plus 3 bars represents a strong signal while only the antenna represents a weak signal. No antenna means no signal is present.
<b>📶</b>	Flashes when out of range.

### OPERATION

- Hold the KCH-16 approximately 3 ~ 4 cm (1.5 inches) from your mouth when speaking.
- To hang the KCH-16, use the hook provided on its reverse side.

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