

# TK-705D/DN/DH

## SERVICE MANUAL

REVISED

# KENWOOD

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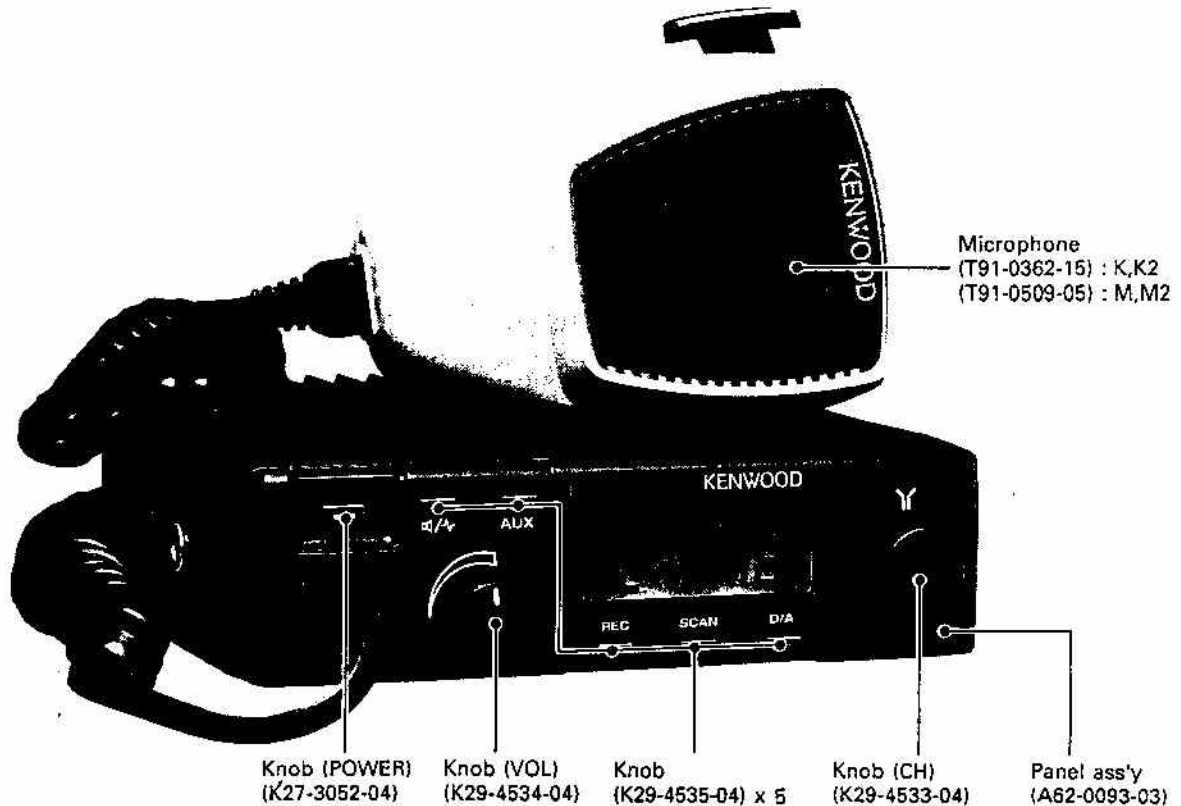


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## GENERAL

## INTRODUCTION

## SCOPE OF THIS MANUAL

This manual is intended for use by experienced technicians familiar with similar types of commercial grade communications equipment. It contains all required service information for the equipment and is current as of the publication date. Changes which may occur after publication are covered by either Service Bulletins or Manual Revisions. These are issued as required.

## ORDERING REPLACEMENT PARTS

When ordering replacement parts or equipment information, the full part identification number should be included. This applies to all parts: components, kits, or chassis. If the part number is not known, include the chassis or kit number of which it is a part, and a sufficient description of the required component for proper identification.

## PERSONNEL SAFETY

The following precautions are recommended for personnel safety:

- DO NOT transmit if someone is within two feet (0.6 meter) of the antenna.
- DO NOT transmit until all RF connectors are verified secure and any open connectors are properly terminated.
- SHUT OFF and DO NOT operate this equipment near electrical blasting caps or in an explosive atmosphere.
- All equipment should be properly grounded before power-up for safe operation.
- This equipment should be serviced by a qualified technician only.





## FCC COMPLIANCE AND TYPE ACCEPTANCE NUMBERS

Type acceptance number	Frequency range	Compliance
ALHTK-705D-1	150~174MHz	Parts 22, 74 and 90
ALHTK-705DH-1	150~174MHz	Parts 22, 74 and 90






## 1. POWER-UP

To turn on the radio, press the power switch (I/O). The channel indicator will illuminate to indicate power is ON.

## 2. TO RECEIVE

Operation	Procedure
1. Disable QT, DQT (if so equipped)	Remove microphone from its hanger.
2. Unsquench radio	Press the MONITOR switch (  /  ). Keep the key down for 2 seconds.
3. Set VOLUME control	Adjust VOLUME control for a normal listening level.
4. Set SQUELCH control	Press the MONITOR switch (  /  ) again.
5. Select operating frequency. (Multichannel models only)	Rotate CH selector switch to desired channel.
The radio will now receive all traffic on the selected channel.	
6. Enable QT, DQT (if so equipped)	Insert microphone back into its hanger.
You will now hear messages for your system only.	

## 3. TO TRANSMIT

Operation	Procedure
1. Disable QT, DQT (if so equipped)	Press the MONITOR switch (  /  ) or remove microphone from hanger.
2. Select operating frequency. (Multichannel models only)	
3. LISTEN	DO NOT TRANSMIT if channel is in use.
4. Key transmitter	Press and hold the microphone PTT switch. The LCD on the front panel will indicate the transmitter is ON (  ).
5. Transmit message	Hold microphone at about 2 inches distance and speak at a normal voice level. Keep transmissions brief.
6. Receive reply	Release the microphone PTT switch.
7. Enable QT, DQT at end of the conversation. (if so equipped)	Press the MONITOR switch (  /  ) and replace the microphone into its hanger.

