

The Kenwood TM-732E/733E

Use as a Talk Through Unit

INTRODUCTION

The TM-73xE is a dual band (VHF/UHF) FM transceiver that can be programmed to act as a cross band repeater, provided that this function has been enabled. Note that whilst in this mode, the operator cannot transmit on either band. The memory can store at least 20 configurations for each band. The current "emergency communications priority" frequencies have been stored in the relevant memories as follows:

- VHF 144.775, 144.800, 144.825, 145.200 and 145.225 MHz
- UHF 433.700, 433.725, 433.750 and 433.775 MHz

BASIC CONTROLS

The panel and microphone controls can only be used to control the band that has been selected with the C.SEL key located to the left and between the VOL/SQL controls. A green LED to the upper right of the respective VOL/SQL control indicates the selected band.

Once selected the operator may change the memory channel by use of the UP and DOWN keys on the microphone and also the power output by use of the LOW/DIM key which toggles through low, medium and high powers. An L or M in the band display indicates low and medium powers. The power outputs are as follows:

	144MHz	430MHz
High	50W	35W
Medium	10W	
Low	Approx. 5W	

Whilst both bands can be monitored at the same time, only one band can be used for transmission. The required band is selected by pressing the VOL/SQL control, the BAND.SEL key, for the desired band. "PTT" will flash and stay on in the display of the selected band.

TALK THROUGH OPERATION

Whilst the transceiver is in normal operating mode, select the desired frequencies and power levels using the controls as described above. Use the C.SEL to select the other band to that selected by the BAND.SEL key. The PPT indicator and the green C.SEL LED must indicate different bands. **THIS IS VITAL.** If they indicate the same band the repeater operation will be one way only.

Finally, press the F key for more than one second and then press the MUTE/ABC key. Repeater operation will be indicated by three dots being illuminated in the displays between the frequency digits.

To make the statutory announcement, repeat the above step to disable repeater operation. Use the BAND.SEL to make the announcement on the other band. **REMEMBER** to ensure opposite bands are selected with the C.SEL and BAND.SEL keys as above before enabling repeater operation again.

TALK THROUGH SCRIPT

This is <Callsign>

Located at <Location>

Operating Talkthrough for <Group> RAYNET

On the <Event>

Operation is on behalf of <User Service> and is authorised by permit number <Number>.

