

# KENWOOD

AAN-0020

## Application Note Amateur Radio Division

**Subject:** TM-V7A Ext Remote Control Operation

**Date:** 12/12/96

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External remote control of the TM-V7A transceiver using DTMF tones that are transmitted by another transceiver is possible using the following procedure:

### Procedure:

1. Ensure the UHF control frequency of the TM-V7A and the remote transceiver are the same.
2. Turn on the DTSS function for the TM-V7A UHF band and select a DTSS tone sequence.
3. Turn the DTSS function for the UHF band on the TM-V7A OFF.
4. Press the "Band Select" button for the VHF band on the TM-V7A.
5. Turn OFF the TM-V7A, press and hold the CONT SEL. key, turn ON the TM-V7A and then release the CONT SEL. key.
6. This will place the transceiver in the EXT standby mode. The words "EXT REMOTE" are displayed, the "DT" indicator for the UHF band will begin flashing, the LOCK indicator will turn ON, and all front panel keys on the TM-V7A will be disabled except the "PWR" key, and the microphone keys.

At this time you can turn ON/OFF the DTMF Answer back function. Press the MNU key to access menu 18. Use the SET key to toggle this function ON/OFF.

7. To begin remote control you should key the external transceiver and press the following key sequence:  
[A][\*][\*][\*][#], where "\* \* \*" is the preset DTSS code selected in step 2.
8. If the proper code is received by the TM-V7A the beeper will sound, and the "DT" indicator will stop flashing. This indicates the transceiver can now be remotely controlled from the external transceiver. See the "Ext. Remote Function" chart on page two of this bulletin for those functions that can be controlled.
9. When you have finished and wish to return to the EXT standby mode you should press:  
[A][#]
10. The "DT" indicator on the TM-V7A will begin flashing to confirm the radio is again in the standby mode.
11. To return to normal operation turn the transceiver OFF, press and hold the CONT SEL key, and then turn the radio back on.  
Repeat one more time.

### Ext. Remote Function Chart

REV ON	TONE ON	CTCSS ON	ENT
1	2	3	A
REV OFF	TONE OFF	CTCSS OFF	TONE SEL
4	5	6	B
CALL	VFO	MR	REPEATER ON
7	8	9	C
DWN	LOW	UP	REPEATER OFF
*	0	#	D