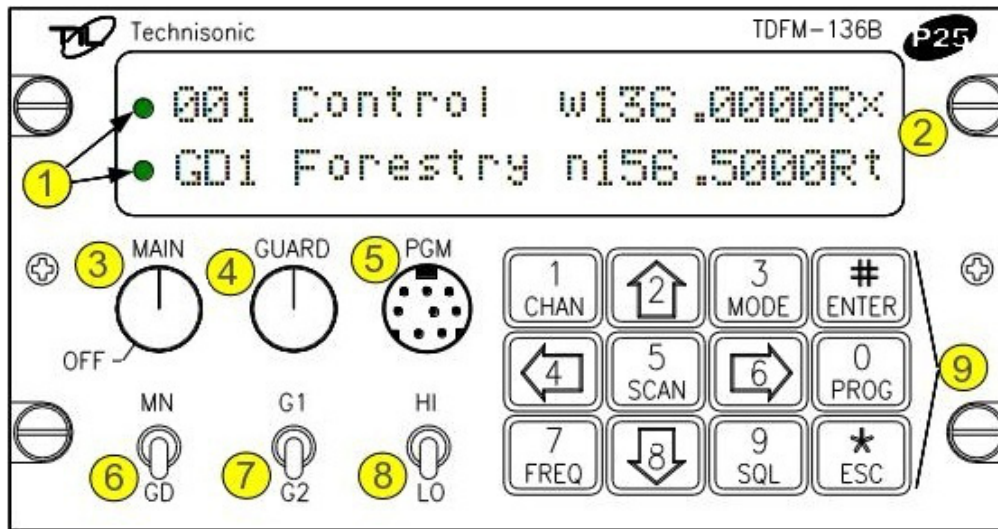


For Radio Firmware: 1.x.x



1. LED channel squelch indicators – Lights when signal received (Top: Main, Bottom: Guard).
2. Channel parameter display – (2 line by 24 character LED display) (Top: Main, Bottom: Guard).
3. MAIN Multi-function rotary encoder (default: Main volume, press for ON, press & hold for OFF).
4. GUARD Multi-function rotary encoder (default: Guard volume, press for Squelch defeat).
5. Data port – for use with KVL 3000+ keyloader or TDP-136 Programming software.
6. MN/GD (Toggle Switch) – Selects active channel (main or guard), for transmit and edit.
7. G1/G1 (Toggle Switch) – Selects guard memory (GD1 or GD2), for transmit and edit.
8. HI/LO (Toggle Switch) – Selects transmit power, high (10W) or low (1W).
9. KEYPAD (12 Keys) – Control radio functions, 3 command levels as shown below.

Command Level 1: press the 'Cmnd' key. . .

Cmnd	Function	Edit Keys	OK	Exit
1 CHAN	SELECT MEMORY	0 PROG TO 9 SQL ENTER CHANNEL MEMORY (001 to 230)	# ENTER	* ESC
2	DISPLAY BRIGHTER			
3 MODE	EDIT OPERATING MODE	3 MODE [2] [8] STEP UP/DOWN THROUGH OPERATING MODES	# ENTER	* ESC
4	SCROLL MEMORY DOWN	SCROLL DOWN THROUGH THE PROGRAMMED MEMORY POSITIONS		
5 SCAN	SCAN ON/OFF	5 SCAN OR * ESC STOP SCAN		
6	SCROLL MEMORY UP	SCROLL UP THROUGH THE PROGRAMMED MEMORY POSITIONS		
7 FREQ	EDIT FREQUENCY	0 PROG TO 9 SQL SELECT FREQUENCY THEN # ENTER Tx FOLLOWS Rx.	# ENTER	* ESC
8	DISPLAY DIMMER			
9 SQL	EDIT SQUELCH MODE	9 SQL [2] [8] STEP UP/DOWN THROUGH SQUELCH MODES. Tx FOLLOWS Rx.	# ENTER	* ESC
	EDIT SQUELCH VALUE	[2] [8] STEP UP/ DOWN THROUGH: TONES, CODES, TG & NAC (HEX) 0 PROG TO 9 SQL DECIMAL EDIT FOR NOISE SQL VALUE (00 TO 15)	# ENTER	* ESC
0 PROG	GO TO NEXT LEVEL	GO TO THE NEXT HIGHER COMMAND LEVEL		
# ENTER	TOGGLE HOME/CURRENT	TOGGLE BETWEEN 'HOME' MEMORY AND CURRENTLY DISPLAYED MEMORY.		
* ESC	TOGGLE TALK AROUND	IF DUPLEX MEMORY, THEN USE RX PARAMETERS FOR TX.		

press to get to Command Level 2, then the 'Cmnd' key. . .				
Cmnd	Function	Edit Keys	OK	Exit
	CREATE/EDIT CHANNEL	TO SELECT CHANNEL MEMORY TO EDIT THEN EDIT: SCAN LIST (L2-5), TEXT DESCRIPTION (L2-6) OPERATING MODE (L1-3), FREQUENCY (L1-7), & SQUELCH (L1-9)		
	COPY GUARD TO MAIN	COPY CHANNEL PARAMETERS FROM GUARD TO MAIN (default disabled)		
	LOCK KEYPAD	UNLOCK KEYPAD		
	n/u			
	EDIT SCAN LISTS	STEP UP/DOWN THROUGH AVAILABLE SCAN LISTS TOGGLE ENABLE/DISABLE FOR SCAN (BAR OVER DIGIT = DISABLED)		
	EDIT TEXT DESCRIPTION	STEP THROUGH CHARACTER GROUPS (A, a, 0, BLANK) STEP/SCROLL UP/DN THROUGH CHARACTERS IN SELECTED GROUP MOVE CURSOR FORWARD/BACKWARD		
	CREATE SHADOW	TO SELECT CHANNEL MEMORY TO EDIT THEN EDIT: TEXT (L2-6), MODE (L1-4), SQUELCH (L1-9)		
	COPY MAIN TO GUARD	COPY CHANNEL PARAMETERS FROM MAIN TO GUARD (default disabled)		
	TOGGLE ENCRYPTION	TOGGLE ENCRYPTION ON/OFF (ONLY FOR MEMORIES WITH KEY ASSIGNED)		
	GO TO NEXT LEVEL	GO TO THE NEXT HIGHER COMMAND LEVEL		
	SET HOME MEMORY	SET THE 'HOME' MEMORY FOR MAIN CHANNEL (ANY EXISTING MAIN MEMORY).		
	GO TO PREVIOUS LEVEL	GO TO THE PREVIOUS COMMAND LEVEL		

press + to get to Command Level 3, then the 'Cmnd' key. . .				
Cmnd	Function	Edit Keys	OK	Exit
	SET BOOT CHANNEL	STEP UP/DOWN THROUGH BOOT MEMORY OPTIONS		
	ASSIGN KEY BY KEYTAG	PICK MEMORY, PICK KEY, PICK DECRYPT OPTION		
	SET NUMERIC EDIT MODE	TOGGLE HEX/DECIMAL EDIT MODE (FOR T.G & NAC)		
	DISPLAY RADIO INFO	STEP THROUGH AVAILABLE INFORMATION		
	SET SCAN PARAMETERS	SELECT REVERT MODE THEN TO SET TIMERS (REPLY, MONITOR, DELAY)		
	SET PTT TIMER	STEP UP/DOWN THROUGH TIMER VALUES (30, 60, 90 SEC)		
	SET SIDETONE AUDIO	TO SET SIDETONE LEVEL (00 TO 255)		
	PC COMMUNICATION	MUST BE CONNECTED TO A PC RUNNING TDP-136 SOFTWARE		
	SHOW SQUELCH VALUES	TOGGLE Rx/Tx SQUELCH PARAMETER DISPLAY		
	GO TO NEXT LEVEL	GO TO THE NEXT HIGHER COMMAND LEVEL (NB PASSWORD LOCKED)		
	n/u			
	GO TO PREVIOUS LEVEL	GO TO THE PREVIOUS COMMAND LEVEL		

NOTES:

- The channel being edited is determined by the position of the front panel switches MN/GD and G1/G2.
- Current command level is shown at 4th character on bottom row.
- Levels 2&3 are time limited, the unit will return to level 1 if no activity in 5 seconds.