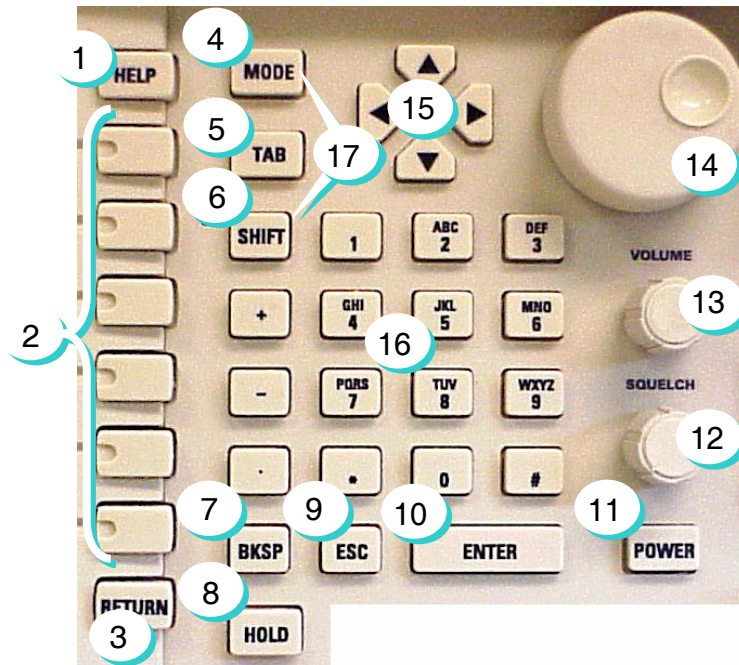


APPENDIX C - CONTROLS AND CONNECTORS

C-1 CONTROLS



1	HELP Key Future Use: Context Sensitive Help on Screen.
2	SOFT FUNCTION Keys F1 through F7, screen dependent keys whose functions are displayed immediately adjacent to each key on the LCD.
3	RETURN Key Used in field select mode to return to the previous menu.
4	MODE Key Displays a list of major test set operations for the user to select.
5	TAB Moves the field cursor to the next editable field on the screen when field selection is active.
6	SHIFT Key Allows the alternate value of a key to be selected. Shift LED illuminates when alternative value is active.
7	BKSP Backspaces the present cursor position and deletes one space.
8	HOLD Key Future Use


9	ESC Key Escapes the active edit field without saving the new data entry.
10	ENTER Key Generates a new line when pressed in a text entry field. If pressed in a data edit field, the data value is evaluated, set and the edit process is ended.
11	POWER Powers the 2975 ON/OFF when the Main Power Switch is in the ON position.
12	SQUELCH KNOB Adjust the threshold for receiver squelch.
13	VOLUME KNOB Rotate clockwise (cw) or counterclockwise (ccw) to adjust audio volume level on the speaker.
14	SPINNER KNOB Used to increment and decrement data values in an active edit field and change cursor fields. Rotates clockwise (cw) and counterclockwise (ccw).
15	ARROW Keys Moves the cursor to a new field when pressed in field select mode. Up and down arrow keys increments or decrements the current digit in edit mode respectively. Left and right keys move the selected character cursor left or right respectively.
16	DATA ENTRY Keys Used to enter valid data entry depending on the field being edited.
17	SHIFT, MODE KEY combination Accesses a pull-down menu for display option selection.

C-2 CONNECTORS

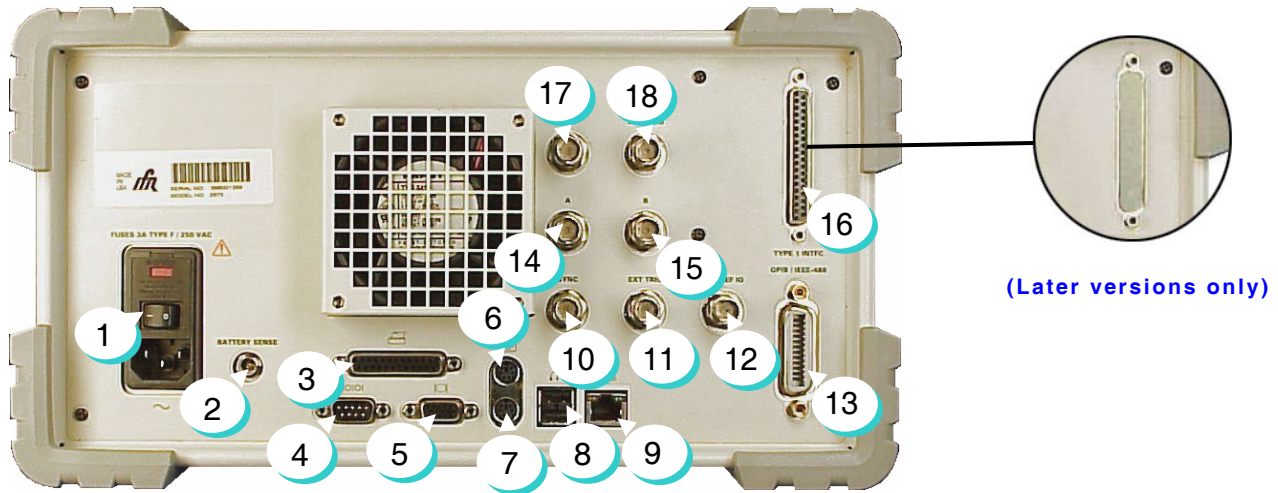
C-2-1 2975 FRONT PANEL



1	TEST Future Use: Custom Radio Interfacing
2	SCOPE CH1 and CH2 Inputs to the Oscilloscope ⚠ 100V maximum input! ⚡ Use caution when probing live circuits! DO NOT connect to AC line!
3	DVM Input to the Digital Voltmeter ⚠ 100V maximum input! ⚡ Use caution when probing live circuits! DO NOT connect to AC line!
4	MIC Input to the 2975 Audio System
5	AUDIO I/O Input and Output to the 2975 Audio System
6	GEN RF Generator Output. LED indicates port selected for generator output. ⚠ DO NOT transmit RF into this connector!
7	T/R RF Generator Output and RF Receiver Input (Full Duplex). LED indicates T/R Connector selected for generator output. ⚠ DO NOT exceed 50 W continuous RF power! ⚡ Use caution when connecting high power transmitters!

8	ANT RF Receiver Input (50 W for 30 seconds maximum)  DO NOT transmit RF into this connector!
9	FLOPPY DISK DRIVE 3½" floppy disk drive for copying data and program files to/from the 2975 system.
10	LCD Liquid Crystal Display for user displays and feedback

C-2-2 2975 REAR PANEL



1	MAIN POWER SWITCH System AC Input
2	BATTERY SENSE Future Use
3	PARALLEL Future Use
4	RS-232 Serial I/O Connection with the IFR 2975
5	VIDEO External VGA Monitor Connector
6	MOUSE Control connection designed for PS-2 compatible mouse. Mouse controls cursor for point and click control of screen items in addition to front panel keyboard operation.
7	KEYBOARD Control connection designed for PS-2 compatible keyboard. Keyboard controls function of unit in addition to front panel keyboard operation.
8	USB Future Use: Serial connection with the IFR 2975
9	ETHERNET Network connection with the IFR 2975
10	SYNC Future Use

11	EXT TRIG External Oscilloscope Trigger
12	EXTERNAL RF I/O 10 MHz Timebase In and Out
13	GPIB Future Use
14	A Future Use
15	B Future Use
16	TYPE I INTERFACE Not Used
17	SPECTRUM ANALYZER IF Intermediate Frequency Output (10.7 MHz)
18	SPECTRUM ANALYZER VIDEO Video Output