Editing and Positioning ID messages

Press **Shift**, then **ID On/Off** to enter the ID Menu. Use the ▲ and ▼ keys to scroll to the desired menu item. Some notes about IDs:

- You must press **ENTER** to save an ID after editing it through the "Edit ID #" menu item. Pressing a rectangular key will abort the edit, and changes will *not* be saved. Only saved ID messages can be inserted into TSG 601 output. To insert an ID, recall it through either the ID Menu or **Recall**. If necessary, toggle it on with **ID On/Off**.

- Use the "Position ID" selection of the ID Menu to reposition the current ID within the picture. You must press **ENTER** after moving a message to save its new position in memory; if you exit by pressing a rectangular key, the message will revert to its original position the next time it is recalled.

Special Settings

Change the following settings through the diagnostic menu. Enter the diagnostic menu when the instrument is on *or* off by holding **Lock Out** down when pressing the **On** button. Continue pressing **Lock Out** until the first menu item appears on the display, then use the ▲ and ▼ keys to scroll to the desired menu item.

Video Standard

Use the ◄ and ► keys to select between 525 (60 Hz) and 625 (50 Hz); press **ENTER** to confirm the choice.

Auto Power Down

Auto Power Down will switch the TSG 601 off after ten minutes without a key press. Use the ◄ and ► keys to select between disabled and enabled; press **ENTER** to confirm the choice.

Battery Type

Be sure this setting matches the type of battery installed in the TSG 601 to avoid incorrect "low battery" warnings and possible early shut down.

Use the ◄ and ► keys to select between disposable (alkaline) and rechargeable (NiCad); press **ENTER** to confirm the choice.

LCD Contrast

Use the ◄ and ► keys to select suitable contrast between 10 and 100%; press **ENTER** to confirm the choice.

Selecting Test Signals

TSG 601 test signals may be selected with **Test Signal** or through "Direct Signal Selection."

To select from the list of available signals, press **Test Signal** repeatedly—or press that key once and then use the ▲ and ▼ keys to scroll through the list. A test signal will be output as soon as its name appears on the display.

When the instrument is in normal operating mode and no menu is active, you may also "Direct-Select" the desired signal by pressing the appropriate letter key. The available signals and corresponding keys are listed below.

Test Signal	Direct-Select Key
75% Color Bars	A
100% Color Bars	B
Pluge 1 (BBC 1)	C
Pluge 2 (BBC 2)	D
5-Step Staircase	E
Limit Ramp	F
Shallow Ramp	G
Modulated 5-Step	H
Modulated Pulse and Bar	I
60% Line Sweep with Markers	J
Bowtie	K
Convergence	L
Equalizer SDI Checkfield	M
PLL SDI Checkfield	N
Matrix SDI Checkfield	O
Active Picture Markers	P

Instructions

**TSG 601
Serial Digital Generator**

070-8909-01

ID/Cycle Control

ID On/Off — Toggles ID (or ID Cycle) On/Off

Shift + **ID Menu (ID On/Off)** — Invokes the ID menu: recall, edit, and reposition ID messages; set up and control ID cycles

Signal/Option Select

Test Signal — Selects test signals: press repeatedly to scroll down and select from the list of available signals

Shift + **Option Menu (Test Signal)** — (The Option Menu is not currently available in the TSG 601)

CRC Control

CRC On/Off — Toggles insertion of the Ancillary Data Packet that contains CRC data

Shift + **CRC Menu (CRC On/Off)** — Invokes the CRC Menu—for selection of various CRC options

Shift/Shift Lock

Shift — Only the next key press is shifted; shifted functions are shown in yellow

Shift + **Shift (Shift Lock)** — All following keys are shifted (until **Shift** is pressed again)

Audio Output

Audio On/Off — Toggles insertion of the Ancillary Data Packets that contain audio

Shift + **Audio Menu (Audio On/Off)** — Invokes the Audio Menu for selection of various Embedded Audio options

Tektronix

```
625 75% BARS      /
CRC=offOUT= 800
```

TSG 601 Serial Digital Generator
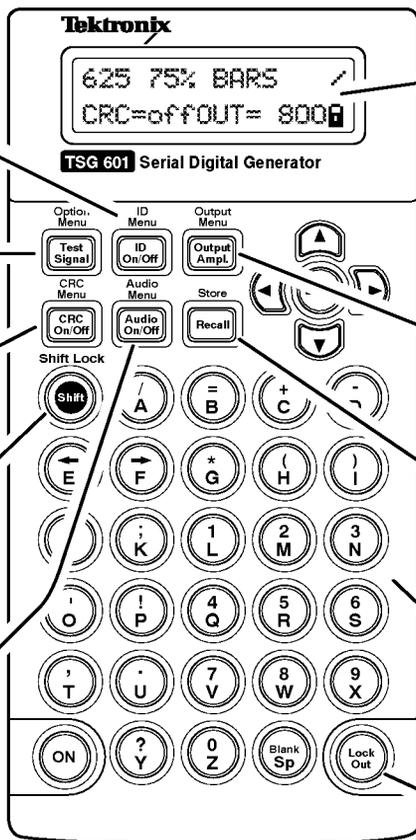
Display Symbols

/ = Auto power-down enabled (symbol "rotates"); use Diagnostic menu to disable; hold **Lock Out** down and press **ON** to enter the Diagnostic menu

T = Improper signal path termination

S = Shift (press **Shift** again to Shift Lock)

S L = Shift Lock (press **Shift** again to unlock)

(lock) = Lockout enabled (press **Lock Out** to unlock)

b = Blank ID position; will not obscure test signal

Output Characteristics

Output Ampl. — To set the output amplitude—between 600 and 1000 mV

Shift + **Output Menu (Output Ampl.)** — To toggle the output channels (Y, C_r, C_b) On/Off, and select 8- or 10-bit sample resolution

Store/Recall

Recall — To recall a stored ID message or user preset

Shift + **Store (Recall)** — To store an ID message, or save the current settings as a "user preset"

Direct Signal Selection

Letter keys may be used to select test signals; please see the reverse side of this card for a list of available signals

Keypad Lock Out

Lock Out — Toggles keypad Lock/Unlock (when locked, only **Lock Out** and **On** keys are "active")