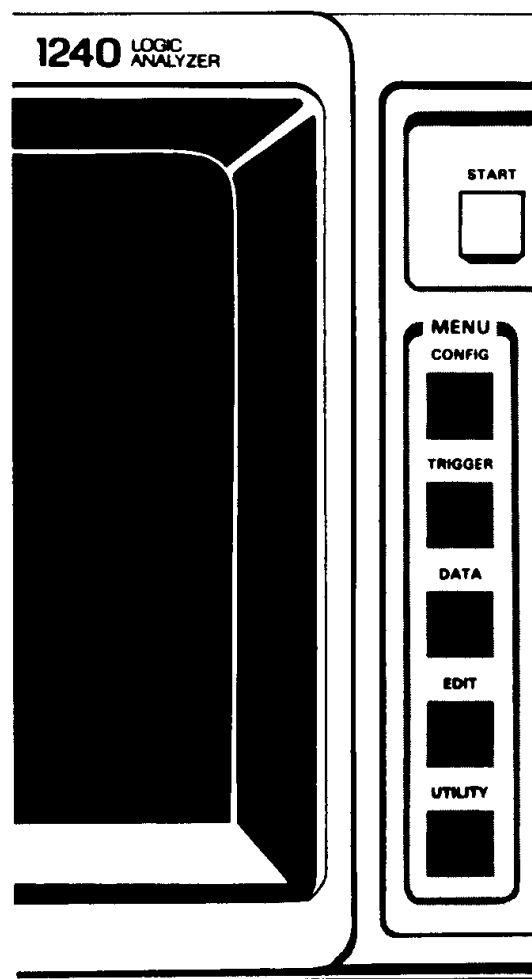


7



UTILITY

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COMM PORT CONTROL

(Refer to the documentation provided with the COMM pack for complete operating information.)

ROM PACK MENU

(Refer to the documentation provided with the ROM pack. Not all ROM packs provide menus.)

The UTILITY key lets you access the Storage Memory Manager menu. If a COMM pack is installed, a COMM Port Control menu is also available. Another menu may be available if a ROM pack is installed.

STORAGE MEMORY MANAGER

NOTE

ROM and RAM packs can be installed or removed while power is on or off. If power is on, the Storage Memory Manager menu must be displayed on the screen, and you must press the LOAD NEW PACK soft key immediately after installing or removing the pack. This soft key runs the pack initialization routines and ensures that the 1240 uses the pack properly. It also resets the 1240 for normal operation after a pack is removed. (If you are exchanging one pack for another, you only need to press LOAD NEW PACK once, after the second pack is installed.)

This menu controls storage and retrieval of setups in nonvolatile memory and internal RAM, storage and retrieval of setups and reference memories in RAM packs, and retrieval of setups and reference memories from ROM packs.

Figure 7-1 describes the basic fields in the Storage Memory Manager menu when no pack is installed. Figure 7-2 describes the menu when a RAM pack is installed. Refer to *Options and Accessories* in Section 8 for a list of the ROM packs and nonvolatile RAM packs available for the 1240.

When you store a setup, all information from the following menus is included: Operation Level, Timebase, Memory Config, Channel Grouping, Trigger Spec, and Auto-Run Spec. Timing Diagram PAGE information is also stored with each setup.

STORING FILES

Use the NEW FILE VALUES information at the top of the menu to identify the file to be stored. The FILENAME can be up to six characters; select each character individually with the SCROLL knob. The selection in the FILETYPE field describes the type of information to be stored: the current **SETUP**, the current contents of **ACQMEM**, or the current contents of **REFMEM**. (**ACQMEM** and **REFMEM** are selections only when a RAM pack is installed.) The STORED IN field lets you select the area of memory in which to store the file: **NVM** (nonvolatile memory), **RAM** (internal RAM), and **PACK** (available only if a nonvolatile RAM pack is installed).

Press the STORE NEW FILE soft key to store the file described by the NEW FILE VALUES fields. The soft key is displayed in reverse video until the operation is complete.

RETRIEVING FILES

The EXISTING FILES list describes all stored files (see callout 7 in Figure 7-1). If a RAM or ROM pack is installed, files stored on the pack are included in the list (see Figure 7-2). Select the number of the file you want in the SELECTED field (Notice that the description of the selected file is highlighted.), then press the LOAD FILE soft key. After you press this key, the top line of the screen displays PRESS "X" TO CONFIRM OPERATION (ANY OTHER HARD KEY CANCELS IT). The file is not loaded until you press the X key. The soft key is displayed in reverse video until the operation is complete.

SETUP files change the current 1240 setup; REFMEM files are loaded into reference memory.

INIT

When the 1240 is turned off or there is a power failure, the current setup is stored in nonvolatile memory. The next time the 1240 is powered up, this setup is labeled INIT and is transferred to internal RAM. At power-up, the default setup is in effect, but you can restore the previous setup by accessing this menu and loading INIT.

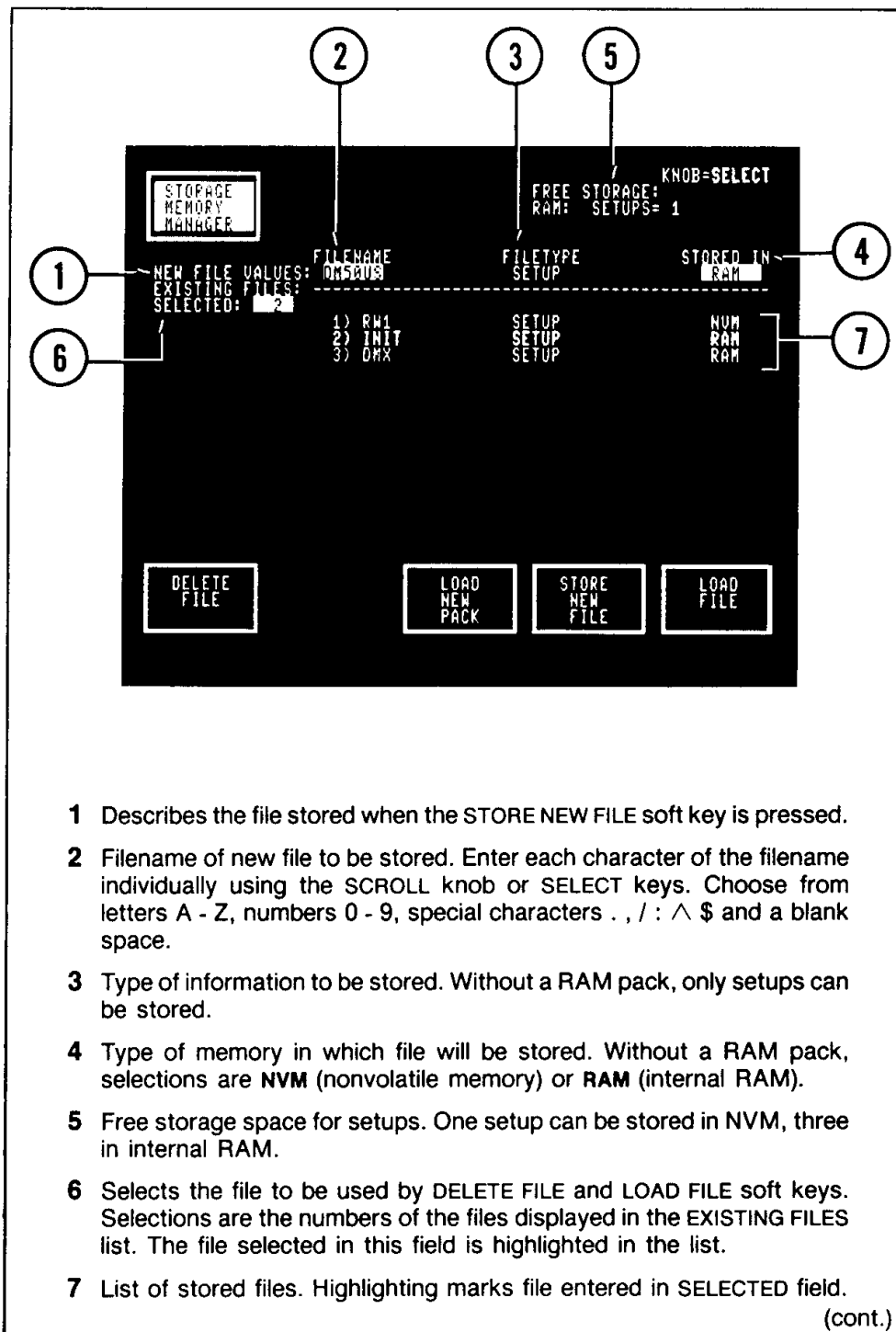
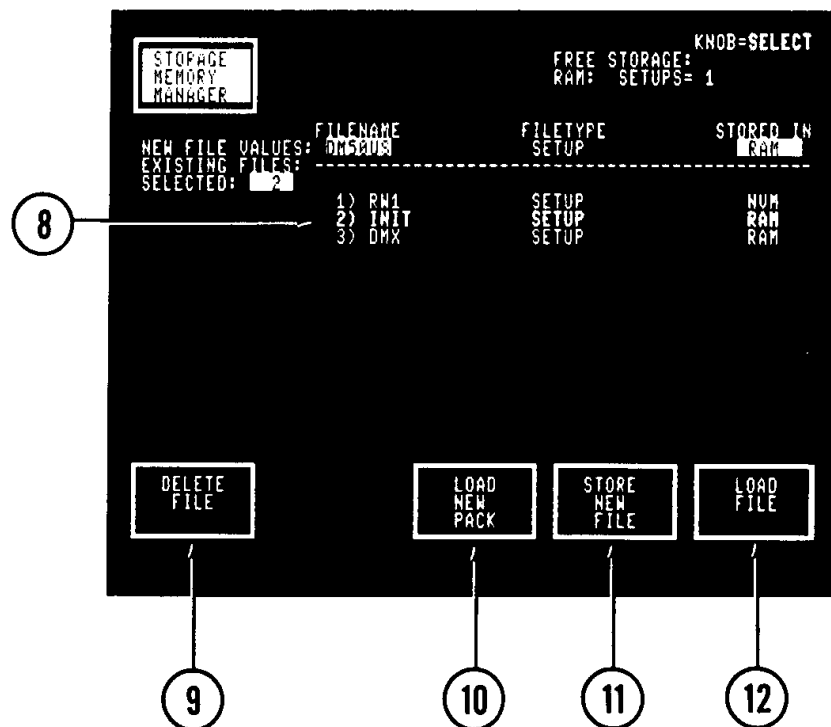


Figure 7-1. Sample Storage Memory Manager display without a RAM or ROM pack. The INIT file contains the setup in effect the last time the 1240 was powered down. To restore this setup, select the number of the INIT file in the SELECTED field then press the LOAD FILE soft key.

(cont.)



- 8** INIT is the setup in effect the last time the 1240 was powered down.
- 9** Deletes the selected file from memory. File is not deleted until you verify the operation by pressing the X key.
- 10** Runs initialization routines for a newly installed pack; also, resets the 1240 for normal operation after a pack is removed. **IMPORTANT:** If you install or remove a ROM or RAM pack while power is on, the Storage Memory Manager menu must be displayed on the screen. Touch LOAD NEW PACK immediately after installing or removing the pack.
- 11** Stores file described in NEW FILE VALUES (callout 1).
- 12** Loads selected file into the 1240. The file is not loaded until you confirm the operation by pressing the X key.

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Figure 7-1. Sample Storage Memory Manager display without a RAM or ROM pack (cont.).

NONVOLATILE MEMORY

The 1240 automatically stores the current setup in nonvolatile memory so that the last-used setup is not lost at power-down or during a power failure. (See the previous description of INIT for more information.) Besides the current setup, the 1240 can store one other setup in nonvolatile memory. Store the current setup in this memory space by selecting **NVM** in the STORED IN field then pressing the STORE NEW FILE soft key. If a file already exists in NVM and you press STORE NEW FILE for another file, the top line of the screen will display PRESS "X" TO CONFIRM OPERATION (ANY OTHER HARD KEY CANCELS IT). If you confirm the operation, the new file will overwrite the file previously stored in NVM.

INTERNAL RAM

The 1240 can store three setups in an extended area of internal RAM. INIT takes up one of these so there is space for two of your setups. (INIT can be deleted if you need all the available storage space.) The amount of free RAM storage is displayed at the top of the menu (see callout 5 in Figure 7-1). This memory space is volatile; stored information is lost when the 1240 is powered down. To store a setup in internal RAM, select **RAM** in the STORED IN field.

If three setups are already stored in internal RAM and you press the STORE NEW FILE soft key for another setup, the message MEMORY FULL: DELETE AN EXISTING FILE FROM INTERNAL RAM is displayed at the top of the screen.

ROM PACKS

If you install or remove a ROM pack while power is on, the Storage Memory Manager menu must be displayed on the screen. Be sure to touch LOAD NEW PACK immediately after installing or removing the pack.

You can use the Storage Memory Manager menu to load setups and reference memories into the 1240 from a ROM pack. (Other special file types are possible; these types are determined by the ROM pack.) A description of each file stored in the pack is displayed in the EXISTING FILES list. Each of these files is labeled **PACK** in the STORED IN column.

New files cannot be stored in a ROM pack, and existing files cannot be deleted.

RAM PACKS

If you install or remove a RAM pack while power is on, the Storage Memory Manager menu must be displayed on the screen. Be sure to touch LOAD NEW PACK immediately after installing or removing the pack.

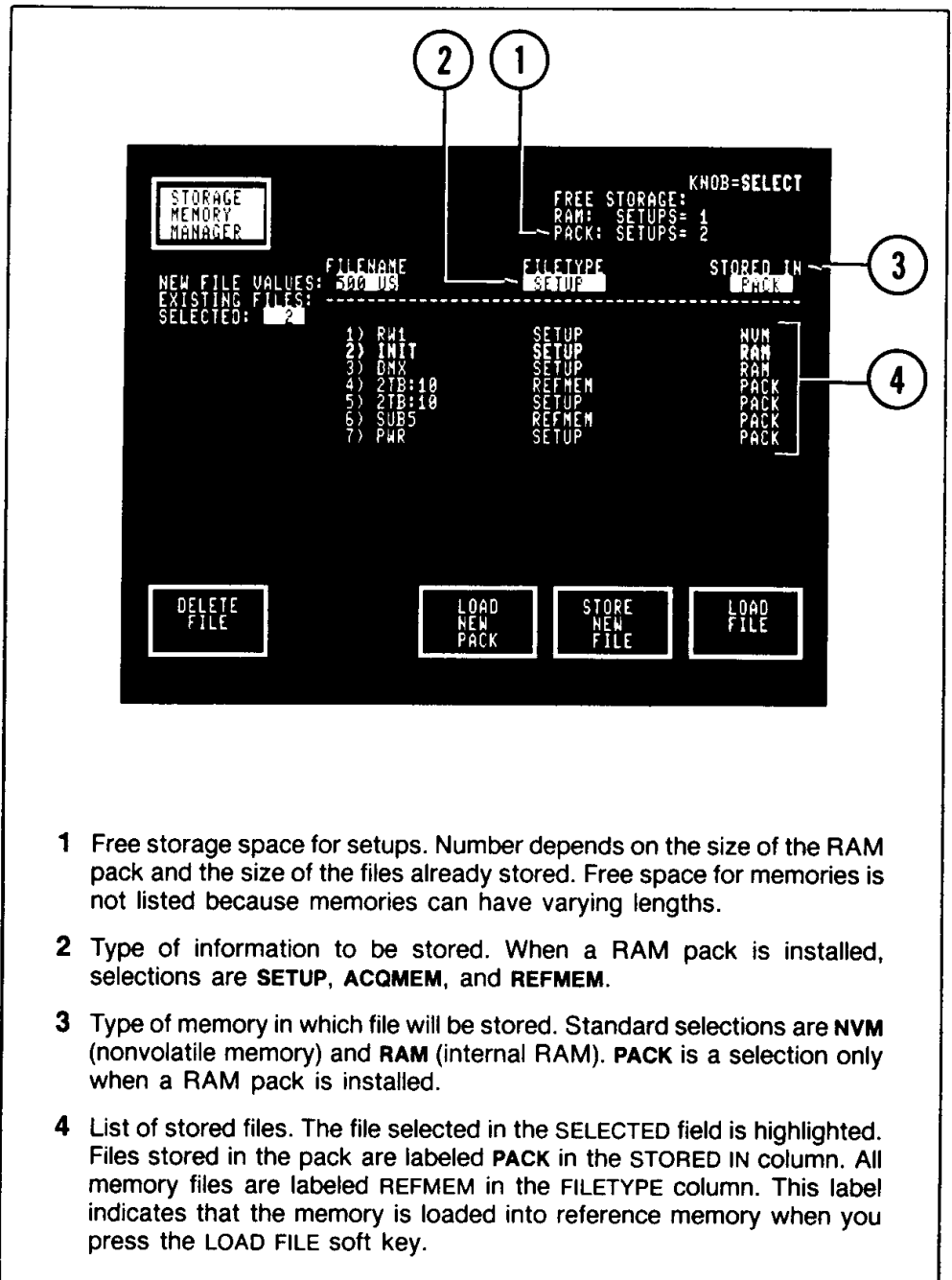
You can store, retrieve, or delete setups and memories from a RAM pack.¹

Descriptions of the files stored in the pack are displayed in the EXISTING FILES list (see Figure 7-2). Each RAM pack file is labeled **PACK** in the STORED IN column.

When a pack is installed, the amount of free storage for setups is displayed at the top of the menu (see callout 1 in Figure 7-2). The number of setups that can be stored varies with the size of the RAM pack and the size of the files already stored. Free space for memories is not displayed because memories can vary in length.

Acquisition and reference memories can be stored in a RAM pack, but all memories are listed as **REFMEMS** in the EXISTING FILES list. The **REFMEM** label indicates that the file is loaded into reference memory when you press the LOAD FILE soft key. The file is not loaded until you verify the operation with the X key.

¹ ROM packs can provide other file types besides setups and memories. If a special file is stored in the 1240 from a previously-installed ROM pack, an appropriate selection is available in the FILETYPE field. This file can be stored in a RAM pack.



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Figure 7-2. Sample Storage Memory Manager display when a RAM pack is installed. A RAM pack allows you to store, retrieve, and delete setups and memories. **IMPORTANT:** If you install or remove a RAM pack while power is on, the Storage Memory Manager menu must be displayed on the screen. Touch **LOAD NEW PACK** immediately after installing or removing the pack.