

## 4.0 Navigating The Menus

The flow chart of Figure 4-1 illustrates the entire menu tree of the FM Pro. You may find referring to the chart helpful while reading this section of the manual.

### 4.1 Introduction To The Menu Display

The Liquid Crystal Display (LCD) menu system of the FM Pro is designed to be logical and easy to understand. Without any instruction at all you would probably be able to find your way around and control the unit through your own exploration.

**Note: The various menus all branch from the Main Menu. You gain access to the Main Menu by first passing through the password security check, if it is activated. Refer to section 8, “Password Security System” for information about enabling and disabling the password requirement.**

The LCD display has a number of features that give the user an indication of the present location within the menu, the time of day, the current on-air preset, and any parameter being adjusted. Following is a detailed description of the various menu features.

### 4.2 Menu Display Features

#### How To Make Selections

1. To MOVE BETWEEN PAGES of multiple page menus, use the left and right arrow keys.
2. To MOVE THE POINTER, use the up and down arrow keys.
3. To SELECT THE FUNCTION, press the Enter (YES) button.
4. To ESCAPE FROM A SELECTION, press the Esc. (NO) key.

#### 4.2.1 Header

The top line left side of the display shows the current menu name while the current page is indicated on the right. For example, the top line may read: [MAIN MENU P:1.2]. This indicates you are in the Main Menu, page 1 of 2 pages. Once past the Main Menu, the menu name always refers to the functional area you are controlling. For example, the Leveler menus are named, simply, “LEVELER”.

#### 4.2.2 Menu Selections

Displayed below the header are the messages or selection options as provided by various menus. If

you are in a functional control menu such as the “PROCESSING” menu, then you will see up to four function options labeled F1, F2, F3, F4 per page. Each page of a multiple page menu will continue from the previous page such as F5, F6, F7, F8 etc.

If you are in other menus such as the PRESETS, and DAY PARTING menus, the logic of selection labeling is similar, except the selections may be labeled as U01, U02..., or S1, S2..., etc. The selections flow from page to page as necessary to accommodate all available selections in a given menu.

#### 4.2.3 Footer

The bottom line reads out a short phrase indicating what is expected as input. It may be “Enter key”, “Enter value”, “Enter function”, etc. The bottom right corner contains an alternating display that toggles between the time of day and the memory preset number (U01, P01, etc.) that is currently on-air.

### 4.3 Display Sleeping Mode

The menu system sleeps when not in use by a logged in user. During this time, the “Welcome to Aphex” logo screen is displayed. This screen displays the current time and software version.

Pressing any key wakes up the menu system and clears the logo screen, bringing up the Password Security page.

### 4.4 Password Security Page

This page is the pathway to the Main Menu if a password is required. Pressing any key when the logo screen is displayed brings you to this page. If no password is currently active in the security system, this page will be omitted and the screen will go to the LOG IN VERIFY page, telling you a password is not required. You can then press the enter key and pass directly to the Main Menu.

**Note: For more information on the password and security system see section 8 of this manual.**

#### 4.5 Main Menu Page 1 of 2

The Main Menu consists of two pages containing 8 selections, F1 through F8, that lead you to all other menus. Selecting F1 through F8 opens the associated menu by pressing enter. The first page contains these selections which are described below:

```
[MAIN MENU   P:1.2]
F1- Password
F2- Presets
F3- Processing
F4- Remote Link
```

#### 4.5.1 Password Menu

This section contains all password security elements including logging in and out as a user, as well as password maintenance. The four menu selections available are as follows.

```
[PASSWORD MENU]
F1 - Edit password
F2 - View password
F3 - Log In
F4 - Log Out
```

##### 4.5.1.1 Edit Password

This page allows you to overwrite the password with a new one or to delete the password all together. Do so by moving the cursor and selecting a character from the character table. Use the spin dial to select characters from the table, and press Enter to place the character at the cursor position. The cursor will automatically advance one more space. Repeat the process until your new password is all entered. You can use the space in the character table to put a blank space in the password. For example, you could have a password like “kitty cat”. To delete the password, simply enter all blank spaces over the old password. When the password is ready to save, use the cursor key to highlight the word “Save” and press Enter.

**Note: Do not use the Enter key to advance to the word “Save”. You will inadvertently press Enter over “Clr” and erase your new password. Use only the left and right arrow keys to advance the cursor to “Save”.**

When you press Enter at the “Save” position, you will be passed to the View Password page and asked to verify that you want this new password to be entered into memory. Press Enter to take the new password or Esc. to revert back to the Edit Password page. Pressing Esc. again will revert you back to the Password Menu, and pressing Esc. once again will revert you all the way back to the Main Menu.

##### 4.5.1.2 View Password

To observe (without the option of editing) the current password, select F2 “View Password” from the Password Menu. Press Esc. to return to the Password Menu.

##### 4.5.1.3 Log in

In the software version provided at the time of this writing, this is a rather unnecessary menu option since you can’t get to this option unless you are already logged in. It is being reserved for a future software version which may include and expanded password security system.

Selecting this option brings you to a page similar to the Edit Password page. In this case, you enter the required password and upon selecting “Save” you get a validation screen which tells you if your password matches or is in error.

##### 4.5.1.4 Log out

From the Password Menu, select F4-Log Out and press Enter. The “Welcome to Aphex” logo screen will pop up. If a password is in effect, the FM pro is now in a secure mode safe from tampering by unauthorized personnel.

#### 4.5.2 Presets

From the Main Menu, select F2-Presets and press Enter to go to the Presets Menu. From here you can recall processing presets, save current processing parameters to user presets, view the list of presets, or manage day parting functions. The selections available are:

```
[PRESETS MENU]
F1 - Recall Preset
F2 - Save Preset
F3 - View list
F4 - Day Parting
```

#### 4.5.2.1 Recall Preset

Six pages of presets will be displayed. From here you can instantly put any available preset on the air. To do so, move to the page containing the desired preset and move the pointer to the preset you want. Press Enter and the preset will be transferred to the FM Pro's processing parameters. The transfer occurs softly so you won't hear any "pops" as the parameters change. There are two pages of factory presets labeled P01 through P08, and four pages of user presets labeled U01 through U16. Refer to section 7 of this manual for information about building and using presets.

#### 4.5.2.2 Save Preset

From this menu you can save the processor settings currently running in the FM Pro to any user preset memory. All six pages of presets are made available just as in the Recall Preset menu. You will be informed that you can't save to a factory preset location if you attempt to do so. To save to a user preset, move to the page containing the preset memory you want, and move the pointer to the correct location on the page. Press Enter to send the current processing parameters to that preset. You will be asked to overwrite the old preset, even if it was not yet used. You press (YES) and the ENTER NAME page will appear. This page operates exactly as the Edit Password page. Select a character from the character table using the spin dial and press Enter to place the character at the cursor position. The cursor will automatically advance one more space. Repeat the process until your complete preset name is entered. You can use the space in the character table to put a blank space in the name. For example, you could have a preset name like "hot beat", or "test 1". When the preset name is ready to save, use the cursor key to highlight the word "Save" and press Enter.

**Note: Do not use the Enter key to advance to the word "Save". You will inadvertently press Enter over "Clr" and erase your new preset name. Use only the left and right arrow keys to advance the cursor to "Save".**

You will be shown the NEW PRESET page and asked to verify the new name. Press (YES) and the new preset is stored. Press (NO) and you will be jetted back to the SAVE PRESET screen from which you came.

#### 4.5.2.3 View list

The View list function is provided to allow the user

to see the name and date of origin of any of the presets in the Fm Pro. All six pages of presets are available to view, and can be accessed by pressing the left and right arrow buttons. Once a preset is selected, the VIEW PRESET DETAIL page will appear showing the preset name and date saved.

#### 4.5.2.4 Day Parting

In the Parting Menu you can view and edit day parting schedules, and you can turn parting on or off. To turn day parting on or off, position the pointer to the "Parting status" line and turn the Spin dial to select on and off. Viewing and editing functions are performed as follows.

##### 4.5.2.4.1 Edit Day Parting

The Edit Parting menu allows you to select "Daily Edit" or "Weekly Edit". If you chose "Daily Edit" you will be taken to the "Parting Sets" menu where you will be able to choose among 8 day-part sets to edit. If you chose "Weekly Edit", you will be taken to the weekday scheduler page. Please refer to section 7 of this manual for detailed information about setting up a day parting schedule.

##### 4.5.2.4.2 View parting

The View Parting menu allows you to select "Daily Events" or "Weekly Events". If you chose "Daily Events" you will be taken to the "Parting Sets" menu from which you may select among 8 day-part sets to view. If you select "Weekly Events" you will be taken to the "View Weekly Set" menu to view the weekday schedule.

#### 4.5.3 Processing

The "Processing" selection on page 1 of the Main Menu launches you to the two-page "Processing Menu" from which you can access all the audio processing controls. In all, submenus for 8 major processing functions, F1 through F8, are available from this menu. These submenus cover the entire processing structure of the FM Pro.

##### 4.5.3.1 Processing Menu Page One

The first 4 of the 8 function submenus are accessed from page one. They are:

[PROCESSING P:1.2]  
 F1 - Input/Output  
 F2 - Leveler/Gate  
 F3 - Multiband Compressor  
 F4 - Limiter/Bass

**Note: Refer to the appropriate sections of this manual for a detailed description of the processing parameters and how to set them up.**

#### 4.5.3.1.1 Input/Output Menu

This menu contains 3 pages. Page one gives control over the input and output levels, and the hardwire I/O bypass. Page two gives control over the three input processing filters and the stereo insert loop. Page three gives control over the input and output source selection and the headphone monitor volume. Use the up and down arrow keys to select a function and use the Spin dial to set the value.

#### 4.5.3.1.2 Leveler/Gate Menu

This menu has three pages. Page one gives control over the leveling rate, the maximum gain and maximum attenuation settings. Page two gives control over the DVG and the Sticky Leveler function. Page three gives control over the Silence Gate function. Use the up and down arrow keys to select a function and use the Spin dial to set the value.

#### 4.5.3.1.3 Multiband Compressor Menu

The Multiband Compressor menu has a total of five pages; the first of which allows the user to set the crossover frequencies for the 4 band compressor. To adjust crossovers, set the pointer to the desired crossover and use the Spin dial to set the frequency.

Page two lets you set the multiband compression drive. Simply use the Spin dial to set the value.

Page three gives control over the release times of each of the four bands of the compressor. To adjust release times, place the pointer adjacent to the band you want to adjust, then use the Spin dial to set the value.

Page four allows you to adjust the output mix of the multiband compressor. At this point you can make equalization adjustments to the audio based upon the band crossover frequencies. To make an adjustment, place the pointer next to the band you want to adjust, then use the Spin dial to set the value.

The final page gives control over stereo coupling and band-to-band linking. As with the other pages, place the pointer next to the selection and use the Spin dial to set the value.

#### 4.5.3.1.4 Limiter/Bass Menu

This menu has two pages. Page one gives control over the master limiter drive, the bass drive, and the brightness enhancer. Page two gives control over the warm bass and sub bass equalizers. To adjust drive or equalization, set the pointer to the desired function and use the Spin dial to set the value.

#### 4.5.3.2 Processing Menu Page Two

The second 4 of the 8 function submenus are accessed from page two. They are:

[PROCESSING P:2.2]  
F5 - Preemp.-Limiter  
F6 - Stereo Gen.  
F7 - AES status  
F8 - More or Less!

**Note: Refer to the appropriate sections of this manual for a detailed description of the processing parameters and how to set them up.**

#### 4.5.3.2.1 Preemp-Limiter Menu

If the Pre-emphasis Limiter option is not installed in the FM Pro, then this menu will not be available. If the option is installed, a single page gives control over the limiter on/off, the limiter hardness, and the pre-emphasis/de-emphasis options. To adjust these parameters, place the pointer adjacent to the item then use the Spin dial to set the value.

#### 4.5.3.2.2 Stereo Generator Menu

If the PPDM Stereo Generator option is not installed in the FM Pro, then this menu will not be available. If the option is installed, two pages give control over the stereo generator functions. Page one gives control over the pilot signal on/off and injection. Page two gives control over the mono/stereo modes and the mono modulation reference of 90% or 100%. To adjust these parameters, place the pointer adjacent to the item then use the Spin dial to set the value.

#### 4.5.3.2.3 AES Status Menu

Digital input and outputs are available as an option in the FM Pro. If this option is not installed, the AES Status menu will not be available. If the option is installed, then a single page gives control over the output sample rate and the auto switch feature. The input data rate and error condition are also reported on this screen. To adjust parameters, place

the pointer adjacent to the item then use the Spin dial to set the value.

#### 4.5.3.2.4 More or Less! Menu

For a quick adjustment of the on-air loudness, enter the More or Less! menu and use the Spin dial to increase or decrease the FM Pro's processing density. This control simultaneously adjusts a number of parameters in the processor, and, when any processing limit is reached, the More or Less control stops any further adjustments.

#### 4.5.4 Remote Link

The FM Pro has remote control capabilities via factory provided software. From the Remote Link menu, the user has the ability to turn the remote link on or off, specify the type of connection: either modem or RS-232 direct, and observe the status of the remote link.

### 4.6 Main Menu Page 2 of 2

As previously stated, the Main Menu consists of two pages containing 8 selections, F1 through F8, that lead you to all other menus. Selecting F1 through F8 opens the associated menu by pressing enter. The second page of the Main Menu contains these selections which are described below:

[MAIN MENU P:2.2]  
 F5 - Set time  
 F6 - Display mode  
 F7 - Unit options  
 F8 - Unit Info

#### 4.6.1 Set Unit Time Menu

Upon entering this menu, the FM Pro's internal clock and calendar will be displayed. You can set both the clock and calendar from this page. To change settings, use all four arrow keys to place the pointer next to the item and use the Spin dial to set the value.

#### 4.6.2 Display Mode Menu

This menu controls the Lock Out time and the Auto Save feature. To set these items, place the pointer next to the item and use the Spin dial to set the value.

#### 4.6.3 Options Page

This page displays if the Stereo Generator, HF Limiter, and AES/EBU options are currently installed in the FM pro. There are no controls in

this menu.

#### 4.6.4 Unit Info Page

This page displays the version and date of the software installed in the FM Pro. The telephone number for Aphex Systems customer support is also displayed. Nice touch, right?

end

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