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# Aphex Model 2020

# FM Pro

## Operating & Service Manual

Manufactured By  
Aphex Systems Ltd.  
11068 Randall St.  
Sun Valley, California 91352  
U. S. A.

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## FM Pro Quick Setup Guide

### Notice

Following this guide will get you up and running but without much understanding of what you are doing. We highly recommend at least a minimal study of the manual. It is written for fast and easy reading.

**Once the unit is installed, here's the procedure to get your FM Pro operating properly using a factory preset. You can later create your own presets if you wish.**

**Step 1, Understanding The Menus.** The escape key backs you out of menus and commitments. It continuously takes you backwards towards the Main menu. The enter key selects menu items and makes commitments such as save and recall. The up and down cursers generally move the menu pointer while the left and right cursers generally flip through multiple menu pages. The Spin dial acts as an adjustment control to set menu values.

All menus branch from the Main menu. Each menu may have one or more sub menus. The menu tree is so logical and easy to discover that within a few minutes you will be very comfortable with it.

**Step, Setting Up Globals.** Go to the processing menu, and, by navigating through the submenus, set up the "Global Parameters" to match your system's operating requirements. *The menus will state that a feature is unavailable if the associated option is not installed in the FM Pro.*

**Important:** *Once the Globals are set, save to the Global preset, U01, by going to the "Save Preset" menu.*

#### *The Global Parameters*

- A. Processing Menu, Input/Output Menu pages 1,2,3
  - Input reference level
  - Peak output level
  - Unit bypass on/off
  - 20Hz High Pass Filter on/off
  - 16.5kHz Low Pass Filter on/off
  - Spectral Phase Refractor (SPR) on/off
  - Stereo Insert on/off
  - Input Source: A or D
  - Output: A, D, or A&D
- B. Processing Menu, Pre-emphasis Limiter Menu
  - Pre-emphasis filter, 50 or 75 microsecond
  - De-emphasis on/off
- C. Processing Menu, Stereo Generator Menu pages 1,2
  - Pilot Mix percentage
  - Pilot on/off
  - Input mode: Stereo, Mono (L, R or L+R)
  - Mono Mode 90% or 100%
- D. Processing Menu, AES Status
  - Transmit rate: Slave, 32, 44.1, or 48kHz

**Step 3, Select A Preset.** There are 8 factory presets designed for various programming formats. Chose one that approximately matches your station's format. If you are not sure, chose "Big Country" as a moderately aggressive starter. If you want to really risk it, chose "CHR" and get a very loud and intense air sound.

**Step 4, Adjust The Output Level.** While sending program audio to the FM Pro, adjust the analog line output (Input/Output menu) for the required peak output level. If you are using the PPDM multiplex option, adjust the multiplex output level (back panel trim) for 100% peak modulation of your transmitter.

That's It!