

DREAM Station SMP1

Station Main Meter Panel Installation Manual

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Chapter 1 - Introduction

INTRODUCTION

The DREAM Station Main Meter Panel provides high resolution signal level metering for the Fairlight DREAM Station integrated mixer/editor. The Station is part of a new family of products from Fairlight which marries together QDC processing with an ergonomic physical control surface in a combination that has a significant impact on productivity and efficiency. The Station and Station Sidecar combination offers a flexible and scaleable solution to a range of audio production and post-production tasks.

ABOUT THIS MANUAL

The DREAM Station Meter Panel Installation Manual provides the information necessary to install and operate the unit with a DREAM Station. This manual should be used in conjunction with the DREAM Station Installation and User Manual to obtain complete instruction in the use and installation of the complete system.

This manual is designed to familiarize sound editors and engineers with the facilities provided by the Station Main Meter Panel. The terminology and concepts used in this manual assume a reasonable knowledge regarding audio principles and studio procedures.

USING THE STATION MAIN METER PANEL

The Station Main Meter Panel includes eight, 55mm multi-segment bargraph LED signal level meters, plus eight LCD meter legend windows. The Station Main Meter Panel displays the signal level of each element of the Main bus. The name of each element is displayed in the LCD window below each bargraph.

The number of active bargraphs is determined by the user-defined format of the Main bus. For example, if the Main bus format is stereo, only LEFT and RIGHT bus element meters are displayed. If the Main bus format is 7.1, all eight elements are displayed. These are: LEFT, INNER LEFT, CENTRE, INNER RIGHT, RIGHT, LEFT SURROUND, RIGHT SURROUND, BOOM.

The Station Main Meter Panel displays peak program level.

NOTES:

Chapter 2 - Installation

INTRODUCTION

The DREAM Station Main Meter Panel is designed to be mounted directly to the rear of the DREAM Station. One simple cable connection between the Station and Meter Panel using the five pin XLR cable supplied, is also required.

MECHANICAL INSTALLATION

- Tools Required: 1 x #2 Pozi-drive screw driver
- Step 1 Carefully unpack the Station Main Meter Panel.
 - Step 2 Remove the two screws on the rear of the Station as indicated below.
 - Step 3 Align the Station Main Meter mounting brackets with the mounting holes.
 - Step 4 Fasten the mounting brackets by re-inserting the screws and tightening.

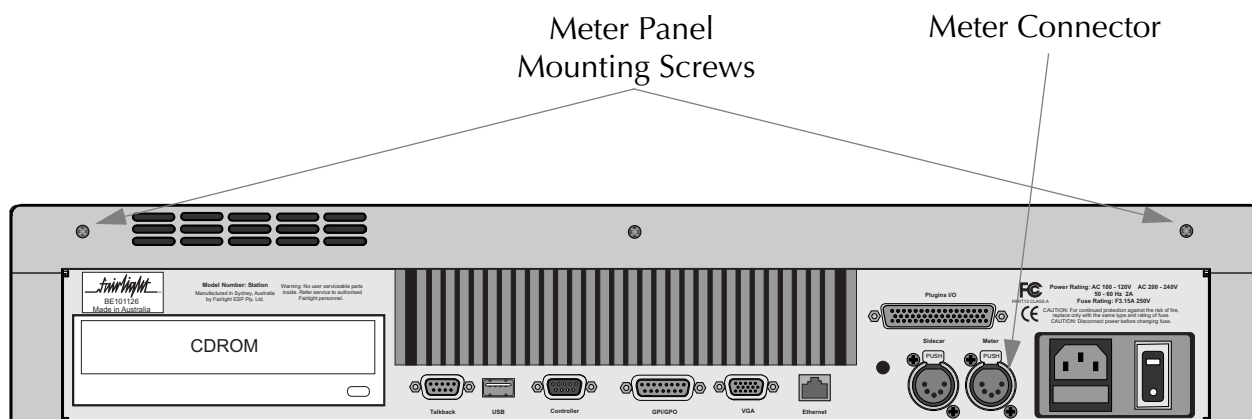


Figure 1: Station Console Rear Panel Connections

CONNECTING THE STATION METER PANEL

- Step 1 Connect the 5-pin XLR USB cable (part no. AMIX119-A) from the female XLR labelled **Meter** on the rear of the Station to the male XLR on the Station Main Meter Panel.

CONFIGURATION

If the Meter Panel has been purchased separately from the Station, the Station must be configured to establish communication with the Meter Panel via USB. Follow these steps to configure the Meter Panel:

1. Connect the Meter Panel prior to turning on the Station.
2. Turn on the Station. During start-up Windows will detect the new Meter Panel hardware. Install the USB drivers as described below.
3. Run the console configuration utility *Cons-con* to add the Meter Panel to the Station configuration.
4. Finally, run the FMC calibration utility to calibrate the Meter Panel LCDs.

USB Installation

The USB driver for the Meter Panel must be installed the first time it is connected to the system.

- Step 1 Ensure the Meter Panel is connect to the Station and that the Station is running.
- Step 2 During boot-up the Windows **Found New Hardware** dialog box will appear. Click the **Browse** button and navigate to the following directory: *C:\DREAM Drivers\USB drivers\W2000*. Select *FairUsb.inf* and click **OK** to complete the driver installation.

Cons-con

The Meter Panel must be added to the Station console configuration. This is achieved with the *Cons-con* application.

- Step 1 While the DREAM Start splash screen is displayed, hold down the **Shift** key and press **Pause/Break** and type **SU Enter** to enter super user mode.
- Step 2 Use the trackball to click on the Binnacle **Cut** key to launch Cons-con, the console configuration utility. Alternatively, click on **My Computer** on the Windows desktop and navigate to *C:\Projects\mixers\fmc\system\Cons-con.exe*.
- Step 3 Select **Station** console type and click the **Add Panel** button to add panels one at a time.
- Step 4 Select panel number **Panel 4**, then select **StationMainMeters** type. Click **OK** to add the panel.

To remove an accidentally added panel, select the panel and click **Remove Panel**. To modify a panel, select the panel and click **Modify Panel**.

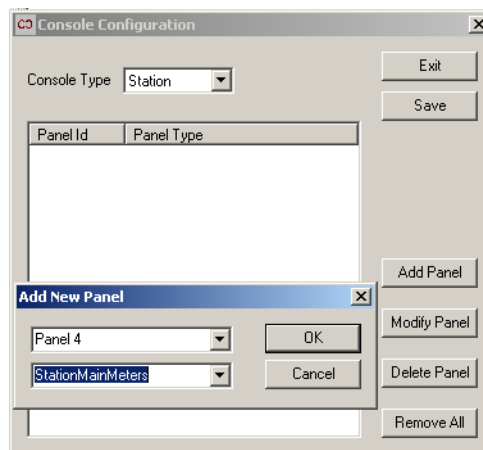


Figure 2: ConsCon Window

LCD Calibration

To calibrate the contrast on the Meter Panel LCD, run FMC. Hold down the **Shift** key and press the **Pause/Break** key (Shift+Pause/Break toggles the keyboard focus between FMC and the QDC engine) then type **U**. This will bring up the calibration window.

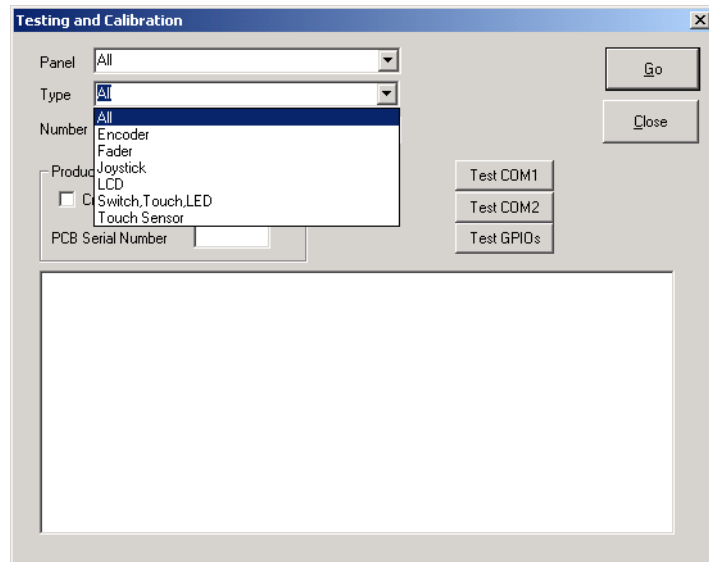


Figure 3: Console Calibration Dialogue

The Meter Panels should be selected from the **Panel** drop down list and then calibrated as described below. If correctly entered in Cons-con, the panel is listed as **Panel 4, StationMainMeters**.

Select **LCD** from the **Type** list. LCDs 1 to 4 are adjusted by LCD number 3, LCDs 5 to 8 are adjusted by LCD number 7. Select 3 or 7 from the **Number** list, then click **Go**.

The LCD dialogue box will be displayed. Click the **Contrast +/-** buttons to change the contrast. Click the **Backlight +/-** buttons to change the backlight level. Click **OK** to move on to the next LCD.

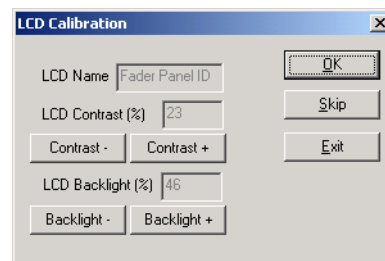


Figure 4: LCD Calibration Window

TESTING AND COMMISSIONING

Once the Station Main Meter has been installed, configured and calibrated, refer to the Station manual for operational procedures that will assist in testing its operation within the studio environment.

NOTES:

Chapter 3 - Specifications

WIRING AND CONNECTION DETAILS

Connector sex described is the panel mount connector on the rear of the unit.

Meter USB

Description: USB and DC Power connection.

Connector: 5 Pin XLR Male

XLR5	SIGNAL	PAIR
PIN 1	USB +	1
PIN 2	0 V	
PIN 3	12 V	
PIN 4	0 V	
PIN 5	USB -	1
SHELL	SHIELD	1

DIMENSIONS AND WEIGHT

DREAM Station Main Meter Panel

Width	555 mm / 21.85"
Depth	50 mm / 2"
Height	120 mm / 4.7"
Fitted Height	215 mm / 8.5"
Fitted Depth from rear of Station	85 mm / 3.4"
Net Weight	2.5 kg

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