

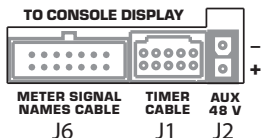
INSTALLATION NOTES: READ ME FIRST!

The PRE99-1975-1 Reflective Display or PRE99-1975-2 Direct View Display are replacement displays for the older 90-1950 RMXd Console Display. The PRE99-1975-2 is the standard display used on new RMXdigital consoles.

Each has the same displays as the 90-1950, but in a low-profile package. The -1 version uses the patented Harris reflective display technology, while the -2 is a Direct View display.

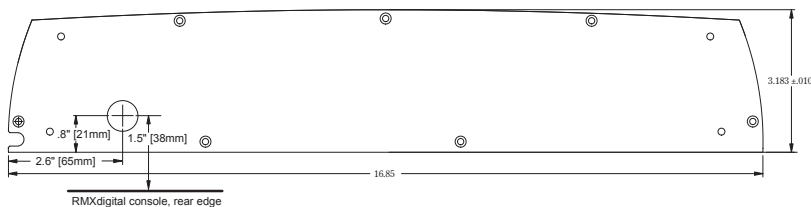
The -1 display typically sits on the countertop, centered behind the console. It requires about 5" [635mm] of clearance behind the console. A .75" [19mm] gap is required between the back of the console and the front of the display so the console's rear cover can be fully opened. The -2 display is typically set on top of the console's rear cover.

Both displays connect using a single cable that breaks out to plug into J1, J2 and J6 on the RMXd's rear panel. The six-foot captive display cable exits out the right side of the display. It can also be run thru a cable access hole on the back of the display. The cable is then run through any convenient countertop access hole in order to reach the console rear panel connectors.



HOT PLUGGING NOTE: J2 [48V] must be connected before plugging in J1 and J6. When unplugging the display with the console powered, unplug J6 and J1, then unplug J2.

RMXD, REAR PANEL DISPLAY CONNECTIONS FOR THE PRE99-1975-1 OR -2 DISPLAYS



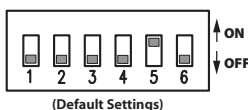
DISPLAY BACK COVER, SHOWING CABLE ACCESS HOLE

Meter Boards Switch DS3 Settings

Switch - Off Function / On Function

- 1 - Average & Peak / Average only
- 2 - 2 sec. Peak Hold / No Peak Hold
- 3 - Blue LED turn on level*
- 4 - Blue LED turn on level*
- 5 - NetWave / RMXdigital
- 6 - Display: Mirrored / Direct View

* Blue Peak LEDs turn on at:
-6 dBFS when both 3 and 4 are off
-4 dBFS when 3 is on and 4 is off
-2 dBFS when 3 is off and 4 is on
0 dBFS when both 3 and 4 are on



J4 SIGNALS *

- 1 - TIMER RESET INPUT
- 2 - GROUND
- 3 - TIMER RESET OUTPUT
- 4 - GROUND
- 5 - ESE/SMPTIE INPUT +
- 6 - ESE/SMPTIE INPUT -

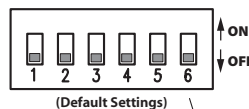
Wire insertion end view

Clock & Event Timer Board Switch DS1 Settings

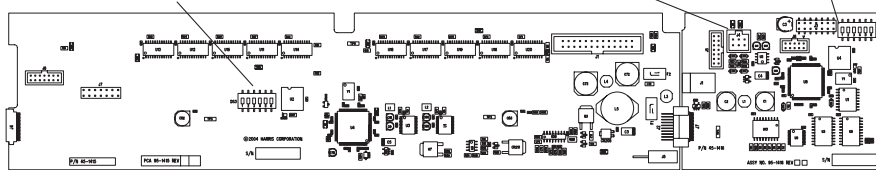
Switch - Off Function / On Function

- 1 - Timer .1 secs display / Timer .1 secs off
- 2 - ESE not used / ESE master clock
- 3 - unused
- 4 - 12-hour time / 24-hour time **
- 5 - SMPTIE not used / SMPTIE master clock
- 6 - Display: Mirrored / Direct View

** active only when 2 and 5 are set off



(Default Settings)



Meter PCA

Clock-Timer PCA

DISPLAY SETUP CONTROLS (BACK COVER REMOVED)

PRE99-1975-x FEATURES VS. THE 90-1950

The information in this document supersedes the Console Display sections of the 75-53 RMXd manual, rev B (on pages 2-4 to 2-6, 2-17, 2-18, 3-18, 5-6, 5-7 and 6-3).

1. Power is supplied by the console (J2). A wall-wart is not used.
2. The three clock-set buttons are on the top of the display housing, at the far right end (the 90-1950 buttons were on the bottom).
3. The 99-1975-x displays accept either ESE or SMPTIE master clock signals (balanced or unbalanced) on J4, pins 5 and 6.
4. The setup switch functions are different, see below for their functions and use.

METER BOARD, J1

P1	Signal	Pin
1	SDATA	1
2	GND	2
3	-SENSE	3
4	GND	4
5	SDCLK	5
6	GND	6
7	-DSPLY 1	7
8	-DSPLY 2	8
9	-DSPLY 3	9
10	-DSPLY 4	10
11	-DSPLY 5	11
12	GND	12
13	-AVG_DSPLY	13
14	-PR	14
15	-STOP TIMER	15
16	-START TIMER	16
17	METER 2 AUDIO	17
18	GND	18
19	-RESET TIMER	19
20	-HOLD TIMER	20
21	METER 1 AUDIO	21
22	GND	22
23	+48V	23
24	+48V	24
25	GND	25
26	GND	26

RMXd MTR DATA, J6

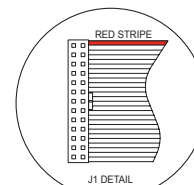
Pin	Signal	P2
1	SDATA	1
2	GND	2
3	GND	3
4	GND	4
5	SDCLK	5
6	GND	6
7	-DSPLY 1	7
8	-DSPLY 2	8
9	GND	9
10	GND	10
11	GND	11
12	GND	12
13	-AVG_DSPLY	13
14	-PR	14

RMXd AUDIO / TIMER, J1

Pin	Signal	P3
10	-STOP TIMER	10
9	-START TIMER	9
8	METER 2 AUDIO	8
7	GND	7
5	-RESET TIMER	5
4	-HOLD TIMER	4
3	METER 1 AUDIO	3
2	GND	2

RMXd POWER, J2

Pin	Signal	P4
1	+48V	1
2	GND	2



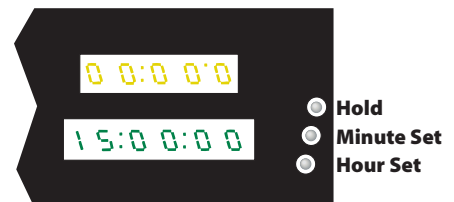
DISPLAY INTERFACE CABLE

* J4 Notes:

Pin 1: Logic input to reset the timer (active low logic). Typically not used on RMXdigital.

Pin 3: Logic output to reset a Studio Timer. Typically not used on RMXdigital.

Pins 5 & 6: Timecode input from a SMPTIE or ESE (TC-89 or TC-90) master clock. Connect the + (or center conductor on an unbalanced signal) to pin 5 and the - (or unbalanced shield) to pin 6. DS-1, switches 2 and 5 select which type of timecode signal is being used.



CLOCK SET BUTTONS



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