MRP Display and Navigation Box

The Multimedia Retrofit Display

Product Datasheet V3

AVIRE HUB

MK-CANBus

The Multimedia retrofit solution. Less wiring, less time, less hassle.

The MRP with Navigation box brings multimedia content to elevators with quick and easy installation. Update your display without having to worry about replacing the entire COP, wiring up to the controller or having the correct lift protocol.
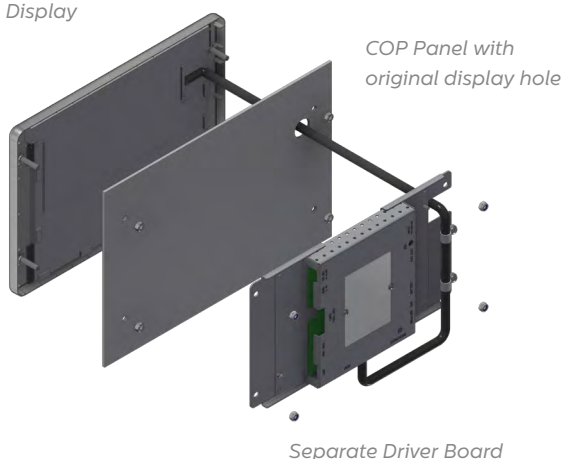
The MRP with separate processor can be mounted anywhere within the elevator car with minimal modification to the metalwork. Once installed easily configure your display via USB transfer or remote update from the Avire Hub and it is ready to go.

Simple, cost-effective, easy to use and in a range of colours to suit your lift interior.

The installer-friendly MRP is the complete plug and play solution that can be used in any lift instantly creating a high-end look and feel.

Exploded view of MRP installation

MRP01 Display

COP Panel with original display hole

Separate Driver Board

Key Features

+ Save hours with a quick installation for retrofit applications

+ USB socket for enhanced programming

+ Does not need to be linked to the controller for lift information

+ Easy to use drag & drop content management software

+ High Quality Multimedia display

+ Hall effect sensor for on-site configuration

Example Layout

- Lift message
- Lift travel directional arrows
- Picture slideshow/ Logo/Tenant information
- Lift floor position
- Background Picture
- Video

Technical Specification

Screen Size

Model No.	10.4

DISPLAY

LCD Display Type	TFT
Colour Depth [1]	True Colour
Resolution [2]	800 x 600
Aspect Ratio	4:3
Viewing Area (W x H mm) [2]	214 x 161
Horizontal Viewing Angle (°) [2]	+85/-85
Vertical Viewing Angle (°) [2]	+85/-85
Luminance[2] (cd/m^3)	400
Contrast Ratio [2]	500:1

ELECTRICAL & ENVIRONMENTAL

Operating Voltage (VDC) [4]	12
Backlight MTBF (Hrs) [2][3]	50,000
Typical Current Consumption (A) [5]	1.0
Typical Power Consumption (W) [5]	12
Operating Temperature (°C) [2]	0 ~ 50

MECHANICAL

Overall Dimensions – Screen (W x H x D mm) [2]	275 x 190 x 49

COMMUNICATION & I/O INTERFACES

Lift Interface	Serial[6]: – E-Motive 4-Wire/RS485 CAN: NAV01 (Navigation Box) [7]
PC Interface	Ethernet, DCP [8]

Notes

1. True colour' supports 24-bit colour
2. Specifications vary based on LCD panel of different sizes and manufacturer
3. Brightness to be decreased to 50% of the initial value
4. Voltage Tolerance within +/- 10%
5. Typical measurement relative to Display Only. Varies with content.
6. The communication through lift interface of different lift controller is done through E-Motive's Encoder board that is sold separately.
7. Navigation Box sold separately.
8. Digital Communication Platform (DCP) sold separately.

MRP and Nav Box Ordering Information

Part No.	Description
MRP01-104-1-60-920	LCD 10.4" Chrome G4/RS485/MK-CAN
MRP01-104-1-60-921	LCD 10.4" MattBlk G4/RS485/MK-CAN
MRP01-104-1-60-920L	LCD 10.4" Chrome G4/RS485/MK-CAN, 2M LVDS (TOC Mount)
MRP01-104-1-60-921L	LCD 10.4" MattBlk G4/RS485/MK-CAN, 2m LVDS (TOC Mount)
AC-NAV02-M0-900	Navigation Box*
ACC-000-009	Magnet Activator for Navigation box learning*
146-2-0-0018	230/110VAC 24VDC Switching Power Supply Unit*

*Optional accessory

AVIRE

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