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Networking Audio Systems

Data Sheet **Rev. 2010-07-14**

mc²66 Channel Display

Channel Display, Bayserver Topology

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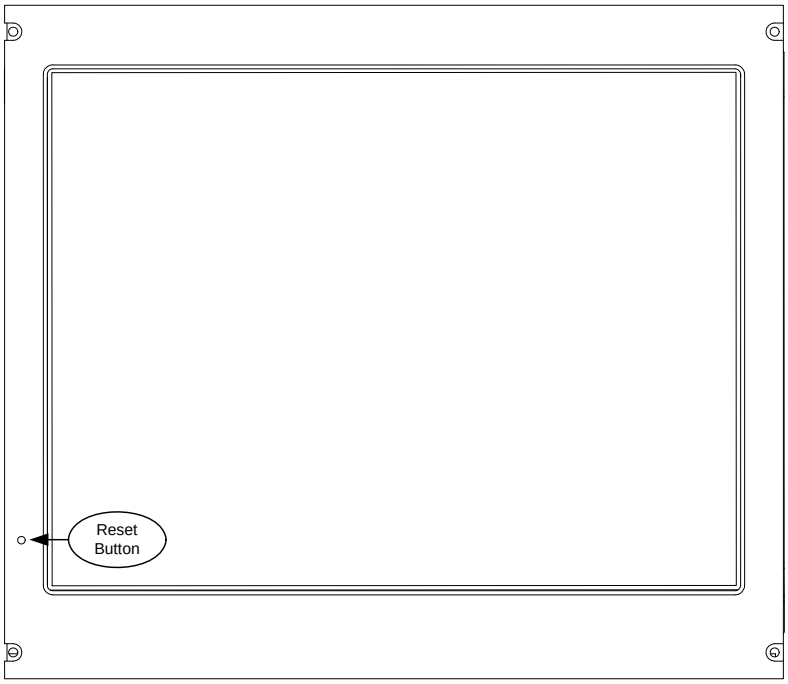

Revision History

Revision	Changes
2008-10-02	Initial Edition
2010-07-14	Backup Battery, Approved CF Cards

General

Parameter	Conditions	Min.	Typ.	Max.	Unit
Cooling requirement					
Power dissipation			16,8		W
Mechanical data					
Height			242		mm
Width			280		mm
Depth			70		mm
Weight			1550		g

Power Supply

Parameter	Conditions	Min.	Typ.	Max.	Unit
Operating supply voltage	DC	10,8	12	13,2	V
Nominal supply current	12V		1,4		A
Nominal power consumption	12V		16,8		W

Connectors

Connector	Function
CN1	Power input, connect to power supply.
CN2	Power output to subunit, connected to CN13.
CN3	Power output to subunit.
CN4	Power output to subunit.
CN5	USB Port, connected to CN15.
CN6	Power and control output to Backlight Inverter, connected to CN21.
CN7, CN8	Power supply control input, not used in this application.
CN9	Fan, not used in this application.
CN10, CN11, CN12	Power,output to Console Light Boards, not used in this application.
CN13	Power, connected to CN2.
CN14	USB Port 0
CN15	USB Port 1, connected to CN5.
CN16	Ethernet Port 2, connect to redundant Control System.
CN17	Ethernet Port 1, connect to Control System.
CN18	LVDS output, connected to TFT.
CN19	Connect Reset Board to pin 11 + 12.
CN20	Clear CMOS: short 2-3, normal operation: short 1-2.
CN21	Backlight Inverter, power and control input, connected to CN6.

Indicators

Indicator	Function	Status	Condition
H1	USB Controller	yellow blinking / off	booting LCA / normal operation
H2	USB Controller	green blinking	normal operation

Approved CF Cards

Type	Lawo Part No.
Xmore industrial CF-128-XIE4	EOL
Xmore industrial CF-128-XIE52S(F)	485.0462

Rotary Switches

The rotary switches on the Bay Control Board choose the type and address of the panel. They have to match the place of installation.

The “Function” switch determines whether the Channel Display is a bay display or a GUI display. The “Adr.” switch chooses the panel's index. The index values are zero based.

Switch	Switch Value	Function
SW1 (Adr.)	0… / 0...	Bay Server / GUI Server Index (in standard setups GUI 1).
SW2 (Function)	0 / 8	Bay Server / GUI Server

So the Channel Display in the leftmost bay has both switches set to 0, the first GUI has "Function" set to 8 and "Adr." set to 0.

Reset Button

This button resets the Channel Display and all connected panels. To press it use a small screwdriver or ball pen. As the CF card is mounted read-only it can not be corrupted by a reset.

Further particulars/explanatory notes

Power Consumption

All particulars are typical and can increase in worst case.

Backup battery

To maintain certain information and to keep the clock running when powered off, the module is equipped with a backup battery.

CAUTION: The module uses a lithium battery. Danger of explosion or fire if battery is replaced incorrectly! Replace only with the same or equivalent type! Insert only with correct polarity!

Panel Back View