

DBM-10xx / DBM-D9xx

UNDER MONITOR DISPLAY, UMD

Static or Dynamic, single or dual text plus TALLY

CROSSPOINT manufactures Under Monitor Displays UMD, to be installed in TV Broadcast environments. Their function is to assist the operator in identifying the source and destination of signals and to have a clear indication of the signal "on air". The two main types are: **'static'** UMDs and **'dynamic'** UMDs. You can choose between single-message UMD and dual-message UMD models.



Static UMD models features :

- **Single or Dual text message display**
- **A red TALLY per text**
- **TALLY ON by closing circuit**
- **Front panel puss-buttons for set-up.**

Static models do not have a serial port, and so changes in message and brightness must be carried out directly, using push-buttons located on the front of unit. They have only a Tally (red)

which is activated through a connector on the unit rear. It is possible to up-grade the **static** model at the factory and convert it to **dynamic**.



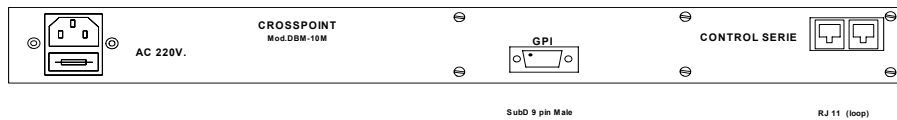
Dynamic UMD models features :

- **Single or Dual text message display**
- **A Dual independent TALLY per text**
- **TALLY ON by closing circuit or by RS-485**
- **Set-up by Front panel puss-buttons or by RS-485 .**

TEXT & TALLY. Text display is clear and auto-centered. Brightness level is user-programmable from 1 to 100, which allows adapting the brightness level to the actual lighting of the room. The indication of active Tally situation is performed by large LED lamps which not only highlight text brightness to a level – also programmable–, but give a very clear indication of the signal "on the air". This type of Tally indication is so bright that monitors without Tally lights can be used, again reducing expenses, since usually this type of monitor has a markedly lower price. You will also save in cable and connectors, as there is no need to link up each Display to its associated video monitor. Parameters are stored in an internal non-volatile memory, lasting 10 years.

CONTROL. Their functions can be controlled with the push-buttons located on their front panel or via RS485 serial port. Using CROSSPOINT HUB-DSP controller, it is possible to modify texts on the displays quickly –in less than 10 seconds– without the intervention of specially trained operators. It also allows to configure (depending on the options) the remote conveying of Tally to the displays, their mapping from the keyboard, delivering time signal, relay-mapped tally output (for CCU, ...), dynamic following of routing switchers' status, reception of tally in serial format or saving user's set-ups protected by password and easily restored. This unit is power supplied directly from the 100 - 240 VAC mains.

Rear view



SPECIFICATIONS:

Model:	Static, DBM-10xx-E and DBM-D9xx-E (see ordering). Dynamic, DBM-10xx and DBM-D9xx (see ordering).
Display:	DBM-10xx(-E): Single window with 10 matrix of 5x7 LED, 17,5 or 30 mm height. DBM-D9xx(-E): Dual window with 9+9 matrix of 5x7 LED, 17,5 mm height.
Brightness:	Two levels (normal and Tally), adjustable in 99 steps, by front panel puss-button or remotely (Dynamic only).
Memory:	Store 8 messages (Dynamic only) plus internal parameters and user setups in a non-volatile memory, lasting 10 years.
TALLY:	Two TALLY lamps (red and green) in Dynamic model. Single TALLY lamp (red) in Static model, per text window. When tally lights up, text brightness is highlighted.
Control of Tallies:	GPI or RS485 network (Dynamic only).
Communications:	RS485 port for multi-drop serial communication, 9600 baud, 8 bit data, 1 stop bit with no parity. CROSSPOINT protocol. Other protocols available using the CROSSPOINT HUB-DSP controller.
Connectors:	RS-485: 2 x RJ-11 looped. GPI/O: Sub-D 9 pin male. Open collector, 100mA max. per output. Closed circuit to common ground for input.
Power Supply:	100 - 240 VAC, 50 Hz.
Max. Consumption:	20 VA.
Size:	Width, 19". Height, 42 mm (1RU). Depth, 120 mm (without connectors).
Weight:	2,4 Kg.

(Specifications subject to change without prior notice)

ORDERING INFORMATION:

Description	Model Code
Static, Single, 30 mm char. height.	DBM-10GM-E-x
Static, Single, 17,5 mm char. height	DBM-10PM-E-x
Static, Double, 17,5 mm char. height	DBM-D9PM-E-xx
Dynamic, Single, 30 mm char. height	DBM-10GM-x
Dynamic, Single, 17,5 mm char. height	DBM-10PM-x
Dynamic, Double, 17,5 mm char. height	DBM-D9PM-xx

Where -x or -xx indicate the color/s for the message/s, as follow:

R, **red**; G, **green**; Y, **yellow**. For instance, if you want to order a double message with **red** on left side and **green** on right side, then end the model code with -RG.

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