



## DPM-2550 B

### Digital Selective Remote Microphone Unit



**EN 54 16**

#### APPLICATION

- Public Address and Voice Alarm
- Background Music
- Audio Visual

#### AREA OF USE

- Health
- Education
- Retail
- Hospitality
- Stadiums
- Transportation
- Theme parks
- Military

#### OVERVIEW

The Digital-Selective-Remote-Microphone-Unit DPM-2550 B is a microcontroller-supported fully digital microphone station with bidirectional digital transmission of data and audio signals. The function assignment of all memory keys of the call station is freely programmable including numeric keypad function.

Monitoring according to EN54-16 can be activated with the software license. There are 8 function keys, a 12-key keypad block for individual or group calls, one covered alarm button and a large, user-friendly talk button are available.

The "+" and "-" function keys can be used to change the sound carrier volume, the sensitivity of the sound carrier input, the microphone volume and the characteristics of the compressor and gate functions. The illuminated graphic display shows the selected areas in plain text.

In addition, status messages from the plant system can be displayed here.

The DPM-2550 B features high-performance A/D and D/A converters with 128x oversampling for pristine reproduction of speech and music. The input and output channel gain is from 0 to 59.9 dB and 0 to 63.5 dB adjustable in 0.5 dB increments. A compressor/gate function (individually adjustable), as well as automatic volume adjustment of the microphone input using automatic gain control (AGC) to ensure maximum intelligibility of the announcements of the different speakers is a built-in feature. On top of that, there is a possibility to connect an external sound carrier device to the built-in stereo cinch sockets as an option. Up to 10 DPM-2551 A digital remote microphone extension modules or up to 5 DPM-2552 A digital remote microphone extension modules can be attached to a DPM-2550 B.



## TECHNICAL DATA

Microphone	Electret Cardioid
Gooseneck length	280 mm
Alarm buttons	2, illuminated, covered
Keyboard block	12 + 8 ( 15+5)
Talk button	1
Internal display	64 x 128 pixels with backlight
Interface for touch screen	USB
Supervision	The link with DPM controllers and capsule of MIC.
Frequency response	(-3dBu) at 200 – 15,000 Hz
THD	Less than 1% @ 1 KHz
Power supply	24 V DC via RJ45 port
Current consumption	125 mA (max.)
System connection	RJ-45
Operating temperature	-5 to + 50 C°
Dimensions ( W x H x D)	250 x 45 x 196 mm
Weight	1.25 kg



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**PADES**  <sup>®</sup> 2000-Series

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