

DIP Switch Settings

The unit provides DIP switch selectable programming as follows:

NOTE: For CD-LX-SG3 Systems please refer to the CD-LX-SG3/4P User Guide for alternate station ID mapping.

Station ID

DIPS	1	2	3
MR	OFF	OFF	OFF
TOP	OFF	OFF	ON
CAR	OFF	ON	OFF
PIT	OFF	ON	ON
SPARE	ON	OFF	OFF
AUX-A	ON	OFF	ON
AUX-B	ON	ON	OFF
AUX-C	ON	ON	ON

Factory Default: Car

Speaker Volume

DIPS	4	5	6
LOW	ON	OFF	OFF
MID	OFF	ON	OFF
HIGH	OFF	OFF	ON
MAX	OFF	OFF	OFF

Factory Default: Max

Microphone Level

DIPS	7	8
LOW	ON	ON
MID	ON	OFF
HIGH	OFF	ON
MAX	OFF	OFF

Factory Default: High

StationBus (400m max)

Compatible with EM-181Mu, CD-LX1/MD181, CD-LX-SG3/4P Master Controllers

Data & V+

(Shield) + Signal & 0V

For improved noise immunity

Recommended Cabling:
20AWG/0.5mm² STP
Belden 9402 or equivalent



SCAN ME
To access product
page on your tablet
or smart phone

Microphone

Adjustable Level via DIP setting

Speaker

1W, 8 Ω, 80dB at 1m Adjustable
Volume via DIP setting

External SPK & MIC
(EM-181/SLX only)



Each station connected to
the StationBus must have
a unique address.



Built-in LED Status Indicator

	Yellow	Green
Idle	OFF	OFF
Page	OFF	ON
Calling	ON	OFF
Speak	ON	ON

Alarm Logs

EN81-28:2018 compliant

All outgoing alarm calls are registered by the
master controller.

If enabled at the master controller, Calling LED
remains ON indicating an Alarm Call had been
made.

To RESET the Alarm Log LED please refer to the
EM-181/SK Operational Overview Diagram.

Operating Voltage	7V (min) - 24V (max) DC
Operating Current	Idle: 20mA On-Call: 130mA
Operating Temp	0 - 50 C
Operating Humidity	90% relative humidity, non-condensing
Dimensions (mm)	80(W) x 138(H) x 18(D)

Installation & Setup

- Set the **unique** station ID using the DIP switch settings.
- Prepare the StationBus wiring, as detailed in the diagram below.
⚠ Check station wiring before connecting to master controller.
- Flush mount the EM-181/SL(X). Ensuring the speaker & microphone are centred with the COP cutouts. This will provide the best possible acoustic coupling and optimum speakerphone performance.
- Wire up the Alarm Button and LED Pictograms.
- Connect the StationBus terminal connector to the EM-181/SL(X).
- Connect the remote end of the StationBus to the master controller to power up unit.
⚠ Ensure all installation steps are complete at master controller.
- Upon power the unit will emit four beeps.
- The station is now ready for use.



Incoming & outgoing test calls can be made to
ensure all devices are setup and operational.

Alarm Button & LED Pictogram Interface

External LED Pictogram Outputs

The system provides a +Vc LED supply, which is sourced from the
master controller StationBus supply voltage. On battery backup
this supply is sourced from the master controller's 12V battery
backup supply.



Each output is capable of sinking 50mA each (**max**)
External LED current limiting resistors **must** be used to
limit the current at each output.

Inputs (Alarm Button & Alarm Filter)

Alarm Button

Press and HOLD for programmed button time (Default 3s) to:

- Make an Alarm Call.
- Answer an Incoming Page & establish two-way comms.

Alarm Filter: When this Input is closed, the Alarm button will
have an additional 3 seconds added to the button time period.

For EM-181Mu system please reference EM-181Mu Advanced
Programming Guide for additional operational modes.

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TECHNOLOGIES

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Installation & Operational Overview		
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