



# TrainSWing MTR10

## CAB radio

- Voice communication in GSM-R networks
- Modern design
- Easy to use
- High reliability
- Easy installation
- Easy maintenance



### GENERAL DESCRIPTION

CAB Radio TrainSWing MTR10 (further MTR10) is a device primarily designed for voice communication between the train driver and the dispatcher in GSM-R (GSM-Railways). Through the connection with the radio block, it also allows full communication in analogue radio networks.

MTR10 is designed in accordance with UIC 612.

In addition to voice communication in GSM-R network, MTR10 (via GPRS/3G/4G data transmissions in the GSM-P) allows data transmission between the train and the stationary infrastructure (in both directions).

Within analogue data networks, it is possible to implement simplex or duplex voice connections, identification transmission, selective communication

with specific subscriber, or transmission of routine messages.

### BASIC TECHNICAL DESCRIPTION

MTR10 is designed as a modular system, whose units are connected by an Ethernet interface:

- DMI Control panel
- FRB30 Radio and logic unit
- Simplex/duplex analogue radio station

The locomotive can usually be equipped with one or two control panels (DMI), with only one of them active.

FRB30 radio and control unit is equipped with a data communication interface to which an analogue radio unit can be connected. When using GSM-R and analogue radio unit at the same time, the user interface is integrated into one control environment (DMI).

MTR10 is functionally divided into two separate parts:

FRB30 Radio and logic unit

- enables voice communication in GSM-R and GSM-P networks
- consists of modules integrated in 19 "cabinet
- for data transmissions, it can be extended by module using GPRS/3G/4G transmission technology
- contains activation buttons, emergency buttons, handset and loudspeaker

DMI Control panel

- man-machine-interface for train driver
- integrates 10.4 „graphic VDU, keyboard
- external applications can be displayed and controlled on VDU





## BASIC TECHNICAL PARAMETERS

Supply voltage		DC 24V – 110V
Input		max. 250W (according to configuration)
Dimensions (h x w x d)	FRB30	133 x 483 x 222 mm
	DMI	214 x 310 x 83 mm
Weight	FRB30	9 kg
	DMI	3 kg
Cover rating	FRB30	IP20
	DMI	IP54
Complies with standards		EN 50155, EIRENE FRS v8.0.0, EIRENE SRS v16.0.0, UIC 612



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The information provided in this document contains a general description and characteristics of the device/product, which may change during its own development based on specific customer requirements. The required specific parameters of the product are binding only on the basis of a concluded contract.