

MTR Central Receiver

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- ▶ Controls up to 10000 clients
- ▶ Supports two separated CAN buses, each of which can connect to a maximum of 100 MTGW CAN/RS-485 gateways
- ▶ Monitors and reports system internal status to MTSW central management software
- ▶ Receives MTGW events, monitors MTGW status, and reports MTGW trouble or trouble restore in 15 seconds
- ▶ Provides an events buffer that holds 3000 internal events which can be printed using a standard printer connected to the parallel port

The Multi-Tenant Receiver (MTR) is the central receiver of the Bosch Security Systems, Inc. Multi-Tenant System (MTS). The central receiver supports two separate Controller Area Network (CAN) buses which provide a two-way communication channel between the MTR and the Multi-Tenant Gateway (MTGW). The MTGW supports up to three RS-485 buses over which it receives and handles the alarm events from the RS-485 terminal devices (for example MT1-1, MT1-8, DS6R2 Series, and DS12R Series).

The central receivers also connect to a PC running the Multi-Tenant System Software (MTSW) through an RS-232 connection. They monitor and report the CAN bus status and other internal system events.

All central receiver parameters are programmed using the built-in keypad or the MTRAM programming software. MTS firmware is upgraded using the MTRAM programming software.

System overview

The MTS is a distributed security system for monitoring and controlling a large number of small sites. Examples include apartment and condominium complexes, retail plazas, office buildings, and educational or hospital campuses.

Functions

MTRAM Software

MTRAM programming software is provided as a separate tool on the *Multi-tenant System Software (MTSW) CD* (F01U011231). This application software runs on a PC using a Windows 98/2000/XP operating system. It provides a programming interface with instructions for upgrading system firmware.

Installation/configuration notes

Wiring Considerations

PC Connection

Use the supplied 9-pin to 9-pin RS-232 connector. The cable is 2 m (6.6 ft) in total length.

**Notice**

Do **not** use USB adapters.

CAN Bus Wiring

The CAN bus connects to the central receiver with at least 1.5 mm (16 AWG) shielded twisted-pair wire with a maximum length of 2000 m (6500 ft).

Parts included

Quant.	Component
1	Central Receiver
1	Power plug (transformer)
1	RS-232 cable
1	Literature, Installation Guide

Technical specifications**Display**

Screen:	1.8 cm x 15.2 cm (0.7 in. x 6.0 in.) dot matrix LCD, 5x7 dots per character, Shows two separate lines, 40 characters per line.
Indicators:	LED display section indicates receiver status and power.

Electrical

Voltage:	18 VAC±15% with a 50 VA transformer
Battery (backup):	Sealed lead-acid; Recommended: 12 VDC, 7 Ah Minimum required: 12 VDC, 3 Ah

Environmental

Environmental Protection:	DIN IEC 721-3-3, Class 1; For indoor use
Relative Humidity:	90% maximum, non-condensing
Temperature(operating):	-10°C to +50°C (+14°F to +122°F)
Temperature(storage):	-10°C to +55°C (+14°F to +131°F)

Mechanical

Dimensions:	305 mm x 254 mm x 89 mm (12 in. x 10 in. x 3.5 in.)
Weight:	3 kg (7 lb)

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Ordering information**MTR Central Receiver**

The central receiver of the Bosch Security Systems, Inc. Multi-Tenant System (MTS).

Order number **MTR**

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