



Pit Receiver Box 1



- ▶ **4.2 kg**
- ▶ **Max. 7 W**

The Pit Receiver Box 1 integrates all electronic components necessary to receive telemetry data from a car equipped with a FM 40 transmitter in one weatherproof package. Typically the receiver box is mounted on the pit roof as close as possible to the RX antenna, thus minimizing cable loss. The connection wire to the receiving PC in the garage, which can be up to 50 m long, also supplies power to the Pit Receiver Box.

The Box 1 contains all electronic components and wires necessary to receive data from a single car, preassembled in a weatherproof box.

The external RX antenna is connected to a low noise filter amplifier (LNA 1). The amplified signal is then fed into the UHF receiver which decodes the data stream. The data converter is used to transmit the data via the connection cable to the server PC in the garage.

Technical Specifications

Mechanical Data

Weight 4.2 kg

Electrical Data

Frequency range	400 to 470 MHz
Working frequency band	$f_c \pm 1$ MHz
Channel spacing	12.5/25 kHz
Sensitivity	≤ -116 dBm at BER 10-3
Serial interface	RS232 (19.2 kBit/s, no parity, 8 data bit, 1 stop bit, no flow control)
Radio data rate	19.2 kbps (25 kHz channel) 9.6 kbps (12.5 kHz channel)
Operating voltage	12 V (10 to 14 V)
Power consumption	approx. 7 W

Application

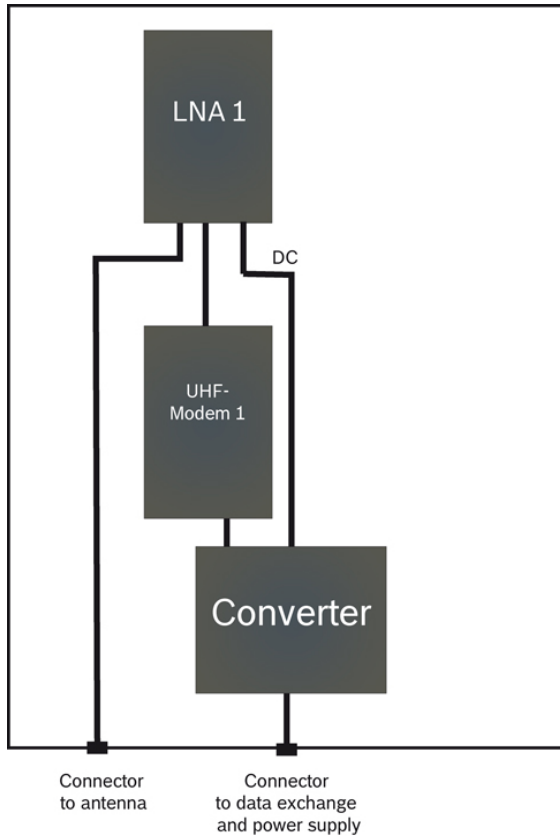
Max. distance receiver box to PC (with wire B 261 209 481) 50 m

Antenna connector BNC (Jack) 50 Ω

Data and power connector motorsports type

Working temperature range -20° to 50° C

Dimensions



Ordering Information

Pit Receiver Box 1

F 01T A20 451-01

Europe:
Bosch Engineering GmbH
Motorsport
Robert-Bosch-Allee 1
74232 Abstatt
Germany
Tel.: +49 7062 911 79101
Fax: +49 7062 911 79104
motorsport@bosch.com
www.bosch-motorsport.de

North and South America:
Bosch Engineering North America
Motorsports
38000 Hills Tech Drive
Farmington Hills, MI 48331-3417
United States of America
Tel.: +1 248 876 2977
Fax: +1 248 876 7373
motorsport@bosch.com
www.bosch-motorsport.com

Asia Pacific:
Bosch Engineering Japan K.K.
Motor Sport Department
3-33-8 Tsuruya-cho, Kanagawa-ku, Yokohama-shi
Kanagawa 221-0835
Japan
Tel.: +81 45 410 1650
Fax: +81 45 410 1651

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