

Receiver

SMAUT

SMART AUTONOMOUS
TECHNOLOGY

AUTONOMOUS
MOWER

powered by

SMAUT

GNSS RTK
Base Station
CST01 and RTCM

RECEIVER
CSR01

RADAR SENSOR KIT (RSK)
SS03

The receiver CSR01 is a part of the correction system based on the UHF radio module, that enables precise positioning of machinery by receiving RTCM correction data.

It is designed to work within a 10 km radius from the correction station. The GNSS-RTK correction station must be turned on and transmit correction data to the machine.

PRODUCT SHEET

UHF Receiver

GNSS RTK
Base Station
CST01 and RTCM

RECEIVER
CSR01



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Description

PROVIDES RCTM CORRECTION DATA FOR PRECISE NAVIGATION

INTEGRATED INTO A DURABLE DOME INCLUDING AN ANTENNA

Provides RTCM 3.x differential GNSS corrections at 1 Hz via serial interface

Technical parameters

SIZE	19x7cm, dome shape
WEIGHT	0.5 kg
POWER SUPPLY	DC 12V/100mA
COVER	IP65, external use
WORKING TEMPERATURE	-30 to +65°C
UHF CORRECTION TRANSMITTER	UHF 430-470MHz, range up to 10km
COMMUNICATION INTERFACE	UART (TTL signal levels)

Application possibilities

- ✓ Rugged, water-resistant housing built to withstand the harshest environments
- ✓ Easy integration for customers solution
- ✓ Autonomous vehicles
- ✓ UHF solution for places without mobile operators coverage