

Thank you for choosing products from Swedish Microwave Monitoring & Control (M&C) is used for Monitoring of parameters like RF output power, Voltage, Current and more. The Control functionality includes Band (LO) switching, LNB gain and more.

SMW M&C Hardware Startkit

This Startkit contains one USB to RS485 transceiver with a 0.2 meter cable (M8 female) and a 2 meter M8 cable (male to male). For indoor use only. This is used for connection between PC and the LNB (or BDC). Accessories are available for chain connection of multiple devices.

QUICK START

Prerequisites:

- Monitoring & Control – function enabled only on select SMW products.
- Hardware – connects host/RTU with M8 cable and USB Transceiver (SMW Startkit).
- Register Map – for available (R/W) parameters, specific to each product type and model, download free on website.
- Software or driver. For purposes of testing or troubleshooting the SMW M&C Evaluation Tool is available on request.

A) Connect the host (PC)/RTU to the M8 connector on the device (LNB/BDC).

B) Power on the device (LNB or BDC) through the RF output connector or separate DC input connector.

C) Start the modbus protocol software or driver and make sure that the device is connected to the host (PC). If connection is not opened, make sure that the correct COM port is set. If applicable, import/apply correct Register Map for R/W parameters.

D) If more than one device will be used in the installation/modbus network, each device must have a unique device ID. The device address (ID) can be chosen between 1 and 247. In the HOLDING REGISTER, PDU address 0000 you can Read and/ or Write the device ID to the device. Default factory setting for SMW devices ID is "60".

E) When switching LO band via Modbus you must first change from Legacy mode (Voltage/Tone switching) to Modbus mode. This is made in the COILS REGISTER, PDU address 0002. Legacy mode = 1 and Modbus mode = 0.

Connector for Alarm, Monitoring & Control

Type: RS485, M8 (f), 4 pin, A-key coded.



- 1 = Alarm open collector (max. 200 mA)
- 2 = A pos+ RS485
- 3 = B neg- RS485
- 4 = Common (GND)
- 5 = Shield



Illustration of connectors - actual product may differ



Download WIN driver for USB-transceiver from <https://www.ftdichip.com>.
More information about the Modbus standard can be found at <https://modbus.org>



Swedish Microwave's labeling for products that support Alarm, Monitoring & Control functionality.



For further details please scan QR-code link to access website complete with **Documentation, Technical Specifications, Manuals and Specific Register Maps.**
<https://smw.se/findproduct>



The device does not contain any parts that can be serviced by the user. For any inquiries related to maintenance, warranty, or service, please request a Return Material Authorization (RMA) at www.smw.se or by sending an email to support@smw.se.



General Conditions and Warranty

ORGALIME S 2012 and Appendicies <https://smw.se/terms>. Standard Warranty 36 Months. Products are made for commercial satcom use only. Specifications are subject to change without prior notice. Products are CE and RoHS compliant. Declaration of Conformity is available on request.

SWEDISH MICROWAVE
PART OF BEURTECH

Swedish Microwave AB | Dynamovägen 5 | S-591 61 Motala Sweden | Contact: +46 141 21 61 35 | sales@smw.se | smw.se

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Swedish Microwave AB | Dynamovagen 5 | S-591 61 Motala
Sweden | Contact: +46 141 21 61 35 | sales@smw.se | smw.se



**QUICK GUIDE
STARTKIT ALARM
MONITORING & CONTROL**