WARNING

Keep protective caps in place when connectors are not in use.
Opening the unit invalidates the warranty and IP rating. There are no user serviceable components inside the unit.
Do not apply more than 10 psi water pressure to the unit.

CE

Americas: HBM, Inc. · 19 Bartlett Street · Marlboro · MA 01752 · USA · Tel.: (800) 578 4260 · Email: info@usa.hbm.com
Asia: Hottinger Baldwin Measurement (Suzhou) Co., Ltd. · 106 Heng Shan Road · Suzhou 215009 · Jiangsu · China
Free hotline: 4006217621 (only in China) · Tel.: +86 512 682 47776 · Email: hbmchina@hbm.com.cn

Europe: Hottinger Baldwin Messtechnik GmbH · Im Tiefen See 45 · 64293 Darmstadt · Germany
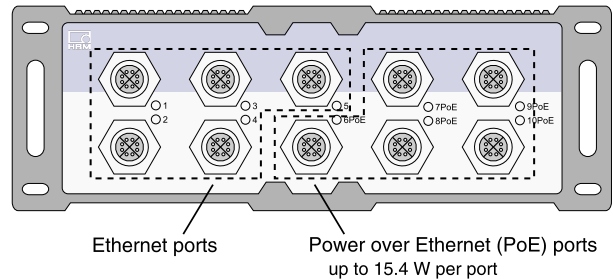Tel.: +49 6151 803-0 · Email: info@hbm.com

SO-269-1000936

A4159-1.0en

measure and predict with confidence

SOMAT XR

EX23-R Quick Start Guide

EX23-R PoE Switch

FRONT

Ethernet ports

Power over Ethernet (PoE) ports
up to 15.4 W per port

BACK

Ground screw

Power
10-36 V DC/10 A max.

Serial number

Serial port
(HBM use only)
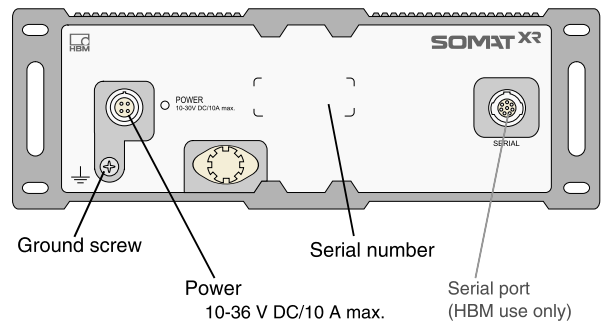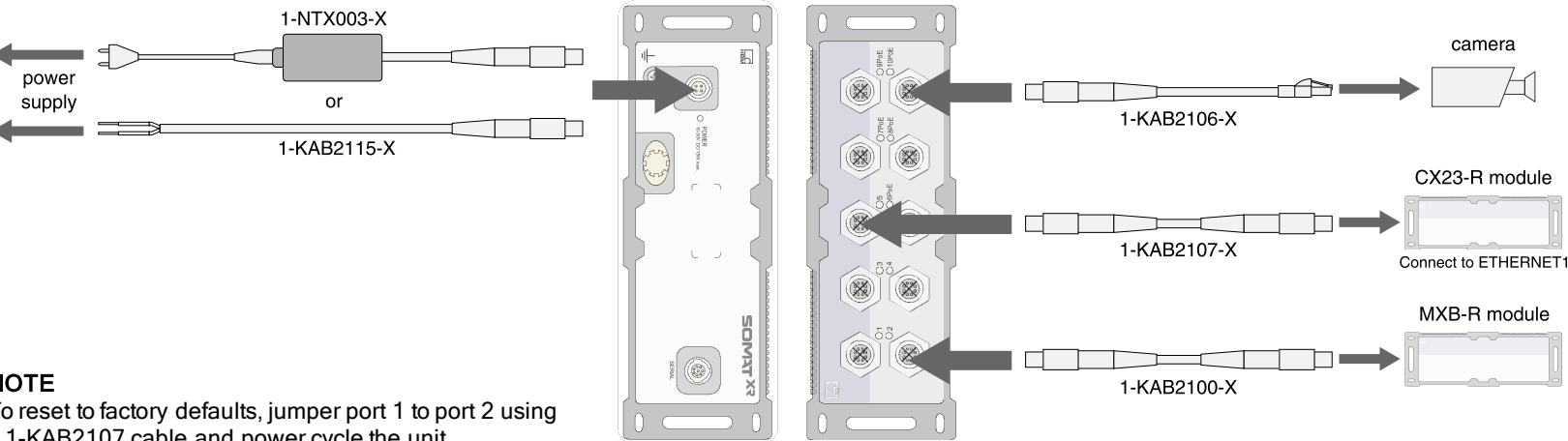
Setting up the EX23-R

The EX23-R is designed to be used straight out of the box.

1. Connect the 1-NTX003 power supply or 1-KAB2115 power pigtail cable from the power connector on the EX23-R to a 10-36 V_{DC} power source.

NOTE
Connect only the red and black wires of the 1-KAB2115 cable.
Do NOT use a 1-KAB2110 cable to power the EX23-R from the CX23-R.

2. Connect the desired devices to the Ethernet ports using 1-KAB2100, 1-KAB2106 or 1-KAB2107 Ethernet cables, depending on the device.

CAUTION
Drawing PoE power lowers the maximum operating temperature. Please refer to the data sheet for the exact de-rating specifications.

1-NTX003-X

power
supply

or

1-KAB2115-X

camera

1-KAB2106-X

CX23-R module

1-KAB2107-X

Connect to ETHERNET1

MXB-R module

1-KAB2100-X

NOTE
To reset to factory defaults, jumper port 1 to port 2 using a 1-KAB2107 cable and power cycle the unit.

Configuring the EX23-R

1. Connect a PC to any open port using a 1-KAB2106 cable.
2. Open an internet browser and navigate to:
    -   IP Config: 192.0.2.1/ip_config.htm
    -   Firmware: 192.0.2.1/upload.htm
3. Log on using the default credentials:
    -   username: *admin*   password: *(blank)*

EX23-R Status LEDs

Power LED	Description
Off	Power input not in range
On	Unit is powered
Flashing (2 Hz)	Power error
Flashing (8 Hz)	Firmware update

Several issues can cause a power error:
-   Over temperature
-   Over voltage or over current input power
-   Internal power supply not working

Ethernet LED	Description
Off	No link
Green	Gigabit link is up
Orange	10 or 100 Mb link is up