R&S®SpycerNode SC
Getting Started

For your Safety

All general safety instructions are located at the end of this document. Please, read them first before starting with the installation.

Use SpycerNode SC only in its designated purpose as described in the product documentation. Observe the performance limits and operating conditions stated in the specification (data sheet).

Safety information is part of the product documentation. It warns you about the potential dangers and gives instructions how to prevent personal injury or damage caused by dangerous situations.

Always read the safety instructions carefully. Make sure to fully comply with them. Do not take risks and do not underestimate the potential danger of small details.

It is also strongly recommended to follow the instructions in the main User Manual alongside this Getting Started manual. The User Manual is available for download here (reqiures registration):
https://gloris.rohde-schwarz.com/

2902.5575.02 - 04

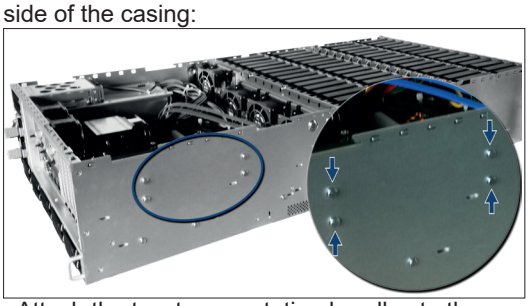
1

- Open the delivery box.
- Locate the two transportation handles inside the delivery box.

x 2

2

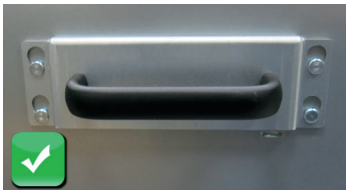
- There are four transportation hooks at each side of the casing:

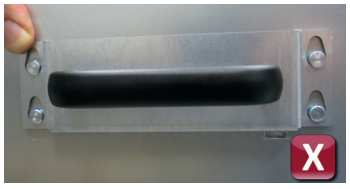


- Attach the two transportation handles to the transportation hooks.

⚠ CAUTION

Make sure the openings on the handles completely embrace the hooks. Also, the openings must be attached at the narrow end, and NOT at the wide end.





Version 04

ROHDE&SCHWARZ
Make ideas real

3

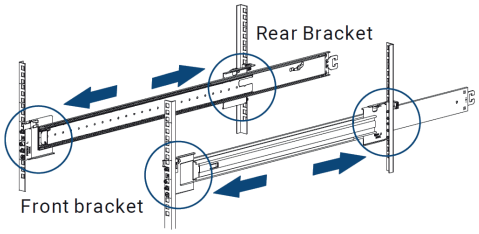
CAUTION

Two person lift required.

Do not attempt to lift the system by yourself, always get others to assist you. Place it on a flat surface to prepare it for mounting into the rack.

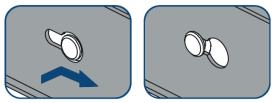
4

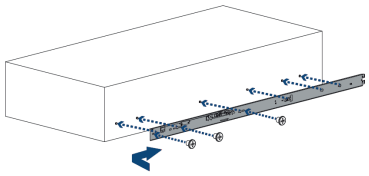
- Unpack the sliding rails system from the delivery box.
- Attach the outer rail/bracket assembly to the frame of the rack.



5

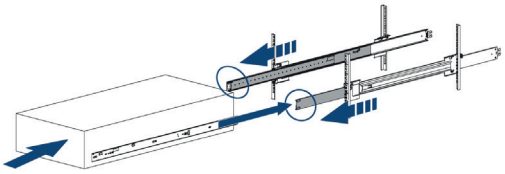
- Attach the inner rails on both sides of the case. Lock and secure the inner rails with the screws provided.





6

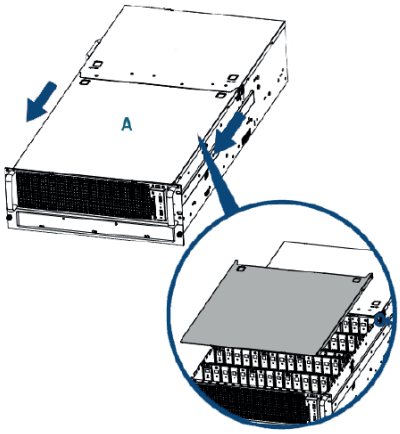
- Insert the case into the rack by aligning the inner slides with the outer slides.



Consult the main User Manual for the complete installation procedure in section **Mounting the System into a Rack**, chapter **Installation**.

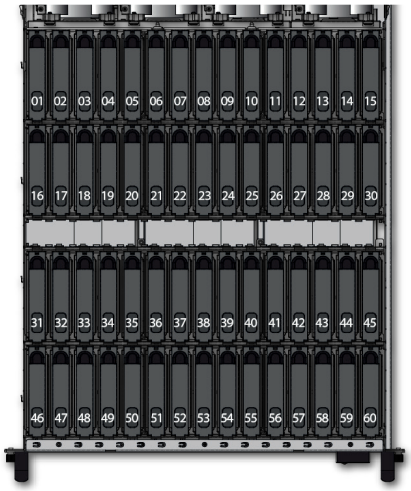
7

- Remove the top cover on the front side.



8

- Insert the disk drives into the associated slots.
- Arrange the disks accorinding to their numbering, as shown below:

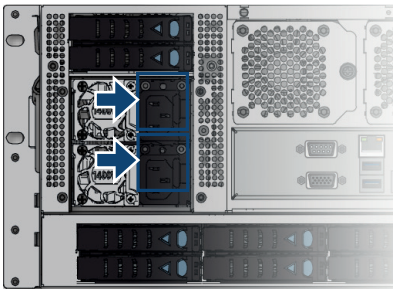


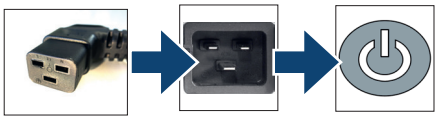
9

- Place the top cover back on to close the case.
- Retract the system into the rack to prepare it for first use.

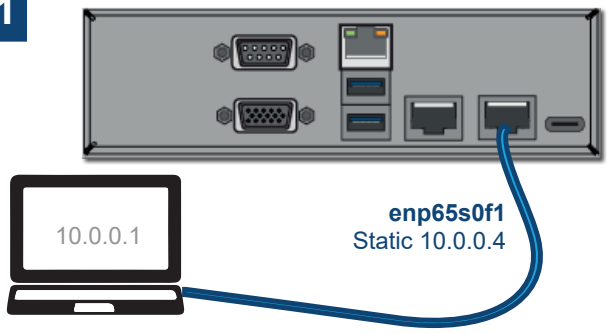
10

- Connect the power supply units and turn on the system. The system requires **200-240V** power supply.

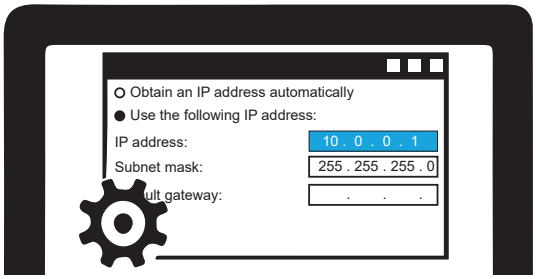




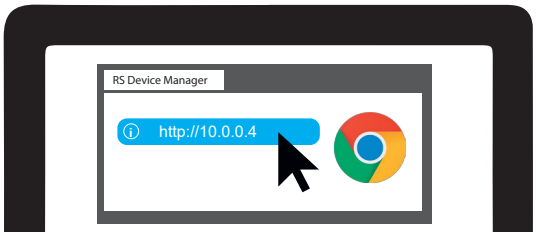
11



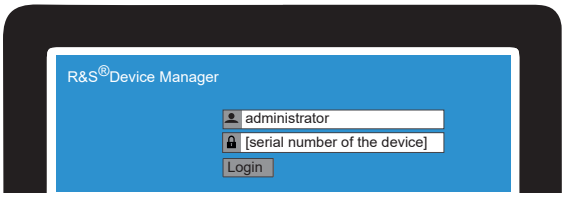
12



13

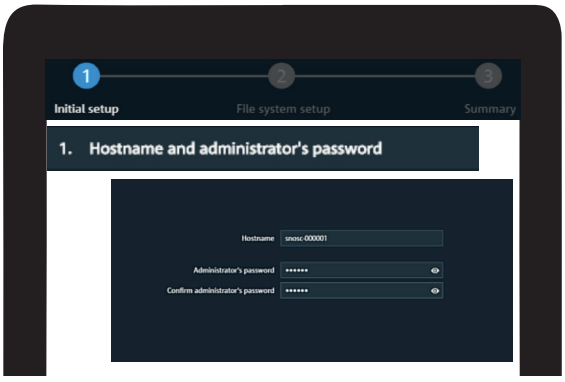


14

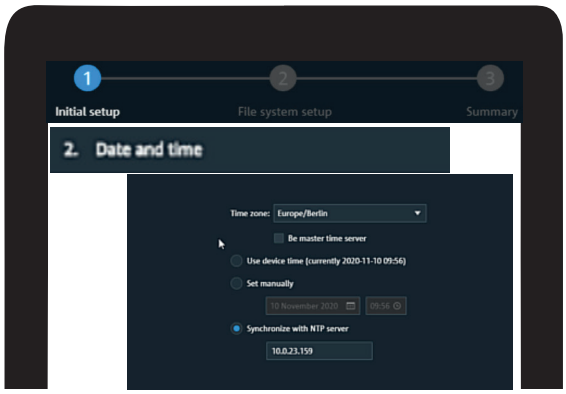


Serial Number is located on the rear panel of the system.

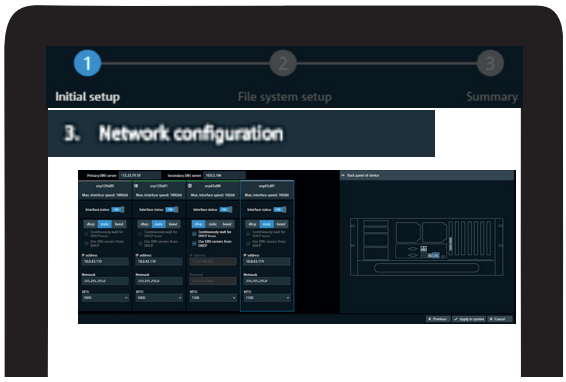
15



16

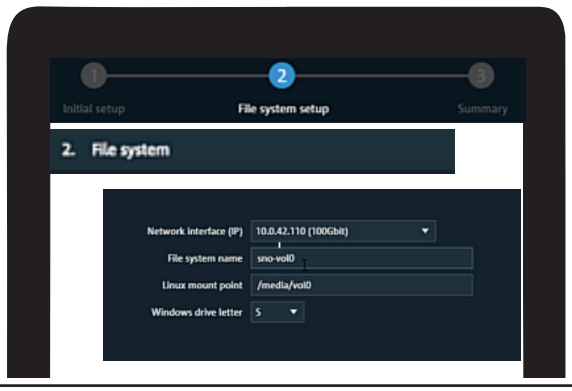


17

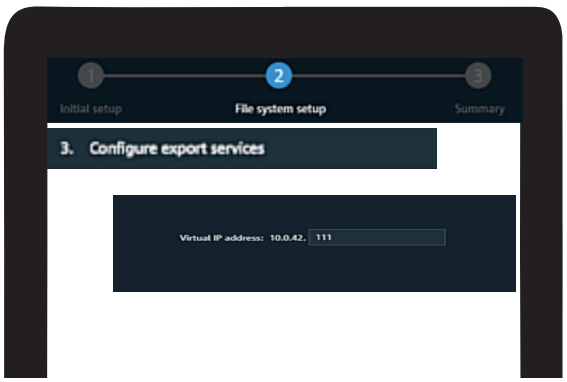


18

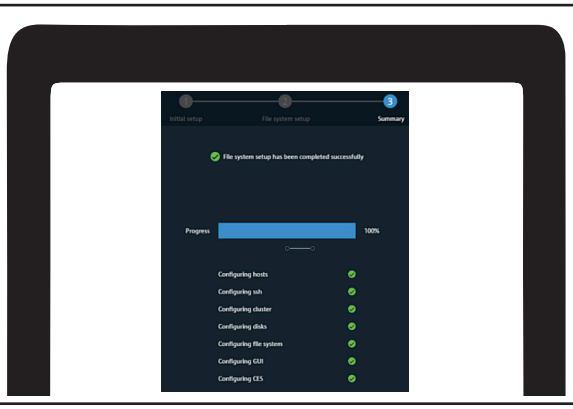
19



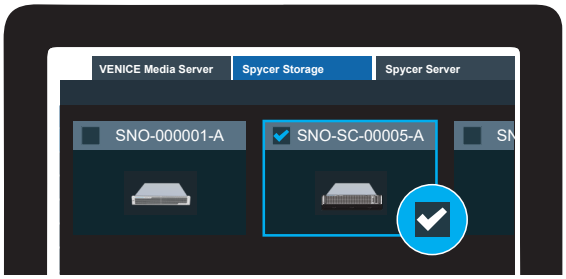
20



21



22



Installing the Drives
Connecting the Equipment

General Safety

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

This equipment is to be installed for operation in an environment with ambient temperature below 35°C.

All plug-in modules and blank plates are part of the fire enclosure and must only be removed when a replacement can be immediately added. The system must not be run without all modules or blanks in place.

Unplug the system before you move it or if you think it has become damaged in any way.

In order to comply with applicable safety, emission and thermal requirements no covers should be removed, and all bays must be populated with plug-in modules or blanks.

The power connection should always be disconnected prior to removing a PSU from the enclosure.

Do not remove cooling fans, PSUs or I/O Modules unless you have a replacement model of the correct type ready for insertion.

The system is to be operated only when mounted and mechanically secured into a 19-inch rack.

The storage drives are to be installed only after having mounted the system into the rack. Also, the storage drives must be removed prior to dismounting the system from the rack.

It is recommended that you fit and check a suitable anti-static wrist or ankle strap and observe all conventional ESD precautions when handling plug-in modules and components. Avoid contact with backplane components and module connectors, etc.

Electrical Safety

⚠ WARNING

Electric Shock

Opening or removing the system cover while the system is powered on may expose you to a risk of electric shock.

Maintenance inside the system should only be performed by personnel qualified for handling and testing electrical equipment. Exercise utmost care when performing any kind of work inside the system while it is on.

The enclosure must only be operated from a power supply input voltage range of **200-240 VAC**. The power supply units, as well as the cooling fans are hot-swappable.

The plug on the power supply cord is used as the main disconnect device. Ensure that the socket outlets are located near the equipment and are easily accessible.

When powered by multiple AC sources, disconnect all supply power for complete isolation.

A safe electrical earth connection must be provided to the power supply cords. Check the grounding of the casing before applying power.

Provide a suitable power source with electrical overload protection to meet the requirements laid down in the technical specification.

When bifurcated power cords ('Y' leads) are used, they must only be connected to a supply range of 200-240 V.

A faulty PSU must be replaced with a fully operational module within 24 hours.

The product ratings are: voltage: 200 to 240 VAC; current: 16A or 13A per inlet; frequency: 50 to 60 Hz. This information can also be found on the back of the PSUs.

Network Safety

For all devices in your local area network (LAN), install the latest firmware to reduce security risks.

For Internet or remote access, use secured connections if applicable, such as HTTPS, SFTP, FTPS instead of HTTP, FTP.

Ensure that the network settings comply with the security policies of your company. Contact your local system administrator or IT department before connecting your product to your company LAN.

When connected to the LAN, the product may potentially be accessed from the Internet, which may be a security risk. For example, attackers might misuse or damage the product.

Lithium Battery Safety

The product contains lithium polymer or lithium ion cells or batteries. The use of the word battery in the following always means all types. Only the battery contents are potentially hazardous. As long as a battery is undamaged and the seals remain intact, there is no danger.

Impact, shock or heat can cause damage such as dents, punctures and other deformations. A damaged battery poses a risk of personal injury. Handle a damaged or leaking battery with extreme care. Immediately ventilate the area since the battery releases harmful gases. If you come into contact with the battery fluid, immediately remove all contaminated clothing. Irritation can occur if the battery fluid comes in contact with your skin or eyes. Immediately and thoroughly rinse your skin or eyes with water and seek medical aid.

Do not short-circuit the battery. Do not mechanically damage the battery. Do not open or disassemble the battery.

Do not expose the battery to high temperatures such as open flames, hot surfaces and sunlight.

Only use the appropriate charger to charge the batteries. If the batteries are improperly charged, there is a risk of explosion.

Store the battery at room temperature (approximately 20°C | 68°F) enclosed in the original packaging.

Dispose of batteries separately from normal household waste as specified by the local waste disposal agency.

⚠ WARNING

Lithium Cell Safety Regulations

If you disregard these safety regulations, you risk serious personal injury or even death due to explosion, fire or hazardous chemical substances.

When replacing a defective battery, only use the same battery type. When returning batteries to Rohde & Schwarz subsidiaries, choose a carrier qualified to transport dangerous goods and follow the carrier's transport stipulations in line with IATA-DGR, IMDG-Code, ADR or RID. If you need assistance, contact the carrier or customer service.

Transportation Safety

⚠ CAUTION

Risk of Injury

Lifting the system by yourself may result in serious injury and property damage.

Do not attempt to lift the system by yourself, always get others to assist you.

Do not lift the casing by the handles on the rear modules. They are not designed to take the weight. Only use the transportation handles provided in the delivery box, and the front handles to lift the system.

Important: The casing must be mounted in a rack before first use.

An unpopulated casing can weigh up to 48kg (106lbs). Use appropriate lifting methods.

A fully populated casing weighs 95kg/210lbs (60 x HDDs) or 72kg/159lbs (60 x SSDs). Do not attempt to lift the casing when populated with drives. Mount the system into a rack prior to installing the drives.

When closing the drawers, do so firmly, ensuring the latches are engaged.

© 2021 Rohde & Schwarz GmbH & Co. KG
Hanomaghof 1, 30449 Hannover, Germany
Phone: +49 51 16 78 07 - 0
Fax: +49 51 16 78 07 200
Email: support.media@rohde-schwarz.com
Internet: www.rohde-schwarz.com
Subject to change – Data without tolerance limits is not binding.
R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.
Trade names are trademarks of the owners.