OpenScape Business X3R/X5R Getting Started

Quick Reference Guide for the installation and initial startup of the 19-inch rack-mount systems OpenScape Business X3R/X5R.

OpenScape Business X3R/X5R is a flexible and scalable communication system with high-performance telephony and a comprehensive unified communications (UC) solution. The UC solution UC Smart is included with the standard system for up to 50 UC users. For more than 50 UC users, the system can be expanded with the UC solution UC Suite - via the UC Booster Card (up to 150 UC users) or the UC Booster Server (up to 500 UC users).

1 Further information

For detailed information on the installation and configuration, please refer to the documentation

- OpenScape Business V1, Installing OpenScape Business X1/X5/X8, Service Documentation
- OpenScape Business V1, Administrator Documentation

and in the online help of the administration program OpenScape Business Assistant (Web Based Management, WBM).

The documentation is available on the Internet in PDF format via the Unify Partner Portal.

2 Reading the safety instructions

Before you put the OpenScape Business X3R/X5R into service, please read and observe the safety instructions in the service documentation "Installing OpenScape Business X3/X5/X8".

3 Mounting the system

OpenScape Business X3R/X5R can be mounted in a 19-inch rack or on a wall.

WARNING:
The housing may only be opened by an authorized service technician!

IMPORTANT: To provide adequate system ventilation, make sure that a minimum clearance of 10 cm is maintained around the housing!

For **wall mounting**, the communication system is attached to the wall using two angle brackets.

- Attach the two mounting brackets (mounting kit L30251-U600-A170) to the base of the communication system.
- Drill a hole for the top bracket, insert a wall anchor into the drilled hole and screw in a screw, leaving approx. 2 mm projecting.
- Hang the communication system with the upper angle bracket.
- Drill a hole for the bottom bracket, insert a wall anchor into the drilled hole and secure the bottom angle bracket with a screw.

For **rack mounting**, the communication system is mounted in a 19-inch rack.

- Attach the two supplied mounting brackets to the sides of the communication system.
- Only for X5R: Attach the right and left support bracket (mounting kit L30251-U600-A172) to the 19-inch rack.
- Lift the communication system into the 19-inch rack and attach it to the 19-inch rack with the two brackets.

4 Providing protective grounding for the system

To ensure the electrical safety of the communication system, a separate protective ground connection is required.

- Attach a separate ground wire to the ground terminal at the back of the communication system.
- Secure the ground wire with a cable tie to the appropriate fastening eyelet for strain relief.
- Connect the ground wire to the equipotential bonding system.

5 Setting up the trunk connection

The public network can be connected via an ITSP (SIP provider via LAN), ISDN (S_0 or S_{2M} interface) or an analog trunk connection (analog interface). The trunk connection is described in the service documentation "Installing OpenScape Business X3/X5/X8".

6 Connecting telephones

U_{P0E} and IP system telephones can be connected. The other connection options for ISDN, DECT and analog telephones are described in the service documentation "Installing OpenScape Business X3/X5/X8".

U_{P0E} system telephones are connected to the U_{P0E} interfaces.

If you want to connect more than one IP system telephone, you will also need a LAN switch.

- Connect all IP system telephones to the LAN switch with a LAN cable.
- However, do not connect the LAN switch to the communication system as yet. This is done after the initial installation.

Note: When using a LAN switch with PoE (Power over Ethernet) functionality, no separate power supply (e.g., through a power adapter) is required for the connected IP telephones.

7 Starting the system

- Insert the memory card with the system software into the SDHC card slot of the system (if not already done).
- Connect the system to the mains power supply. The communication system is now started up, The system LEDs light up in different colors and sequences.

Note: The startup takes some time to complete. During this time, the communication system can must not be turned off.
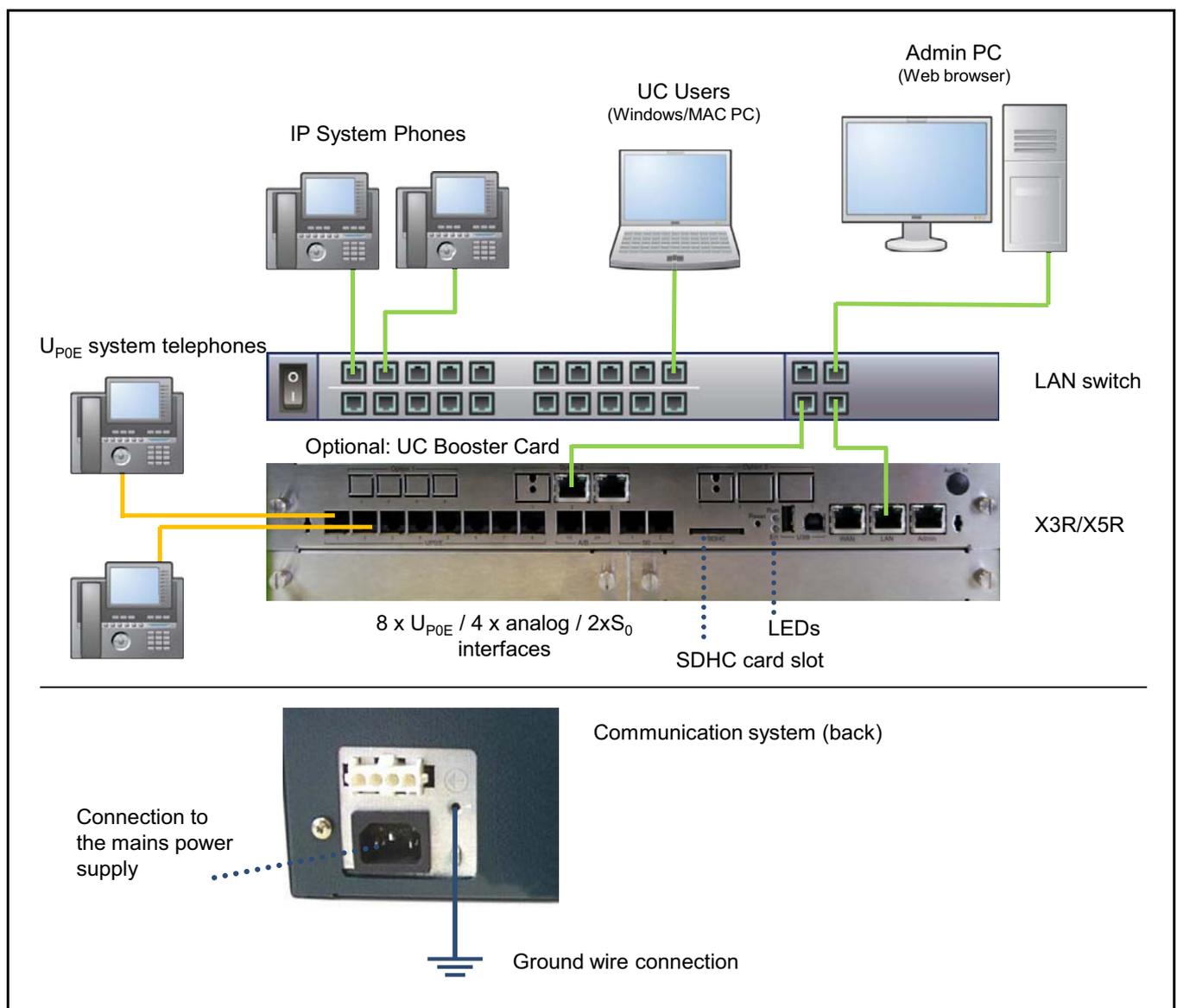
After completion of the startup, the green LED flashes at 1Hz (0.5 s on / 0.5 s off).

IMPORTANT: The system should not be disconnected from the mains power supply for at least the next 2 days in order to ensure that the battery is adequately charged!

8 Configuring the system

The system is configured using the wizards of the OpenScape Business Assistant (WBM). For each wizard page, the associated description is available via the "Help" button.

- Connect the admin PC with a LAN cable directly to the LAN port marked "LAN".
- The admin PC must be able to obtain an IP address automatically. Check the network settings on the admin PC for this if required.
- Open the login page of WBM in the web browser of the admin PC (default: https://192.168.1.2).
- If the web browser prompts you to accept or install a security certificate, please follow these instructions.

Admin PC
(Web browser)

UC Users
(Windows/MAC PC)

IP System Phones

U_{P0E} system telephones

LAN switch

Optional: UC Booster Card

X3R/X5R

8 x U_{P0E} / 4 x analog / 2xS$_0$ interfaces

LEDs

SDHC card slot

Communication system (back)

Connection to the mains power supply

Ground wire connection

- Select the language of the WBM user interface at the top right of the screen.
- Enter the user name (administrator) and password (administrator) and click "Login".
- When you log on for the first time, you are prompted to change the default password. Enter the default password and your new password, and then click "Login". Make sure that you remember your new password.
- Enter the date and time, and the click "OK & Next".
- Log into the WBM again with your new password.
- Start the "Initial Installation" wizard in the WBM under "Setup > Basic Installation". This wizard guides you through the system settings and the basic configuration. The preset values must only be changed if the system is to be integrated in an existing infrastructure.
- Exit the WBM.
- Remove the LAN cable of the admin PC from the LAN port marked "LAN" and connect it to the LAN switch.
- Connect the LAN port marked "LAN" of the communication system to the LAN switch using a LAN cable.
- If a UC Booster Card is inserted, connect the LAN port marked "LAN2" of the UC Booster Card (at right of the two LEDs) to the LAN switch using another LAN cable.
- Restart the WBM and run the "Basic Installation" wizard under "Setup > Basic Installation". Here you can configure, among other things: Your trunk connection, Internet access and the connected telephones (subscribers).

9 Licensing

You must activate your purchased licenses within 30 days (activation period).

IMPORTANT:
OpenScape Business X3R/X5R is fully functional during the activation period. If the licensing is not completed before the activation period expires, the system will subsequently operate only in the restricted emergency mode!

After the licenses have been activated successfully, they must be assigned to the stations and trunks.

- Start the "Licensing" wizard in the WBM under "Setup > Basic Installation".
- Enter the License Authorization Code (LAC) and the user name and password to log into the license server.
- Click "OK & Next". The connection to the license server is established, and the licenses are released.
- Click in the navigation bar on "License Management", then on "Local User Licenses" in the navigation tree, and navigate to the desired subscriber type ("TDM User" includes the U_{P0E} system telephones; "IP User" includes the HFA and SIP IP system telephones).
- Activate the user licenses (first column with check boxes) for the required stations and then the desired UC licenses.
- Click "OK & Next". A check is now performed to determine if enough licenses are available for your assignments. If licenses are missing, the errors are displayed with a check box shaded in red. Correct these errors and click again on "OK & Next".
- In the navigation tree, click on "CO Trunks".
- For SIP trunks, enter the number of Internet calls that can be conducted simultaneously via an ITSP in the "License demand for number of simultaneous Internet calls in this node" area.
- For S_{2M} trunks or T1 trunks (only for the U.S.), select the number of desired B-channels in the drop-down list of the Demands column in the row of the desired slot in the "S2M" or "T1" area.
- Exit with "OK & Next".

10 Configuring phones

U_{P0E} system telephones are automatically detected and assigned a phone number by default.

For IP system telephones (HFA), you will be asked for the call number ("terminal number" or "fully qual sub num") when the phone is booting up. The standard call numbers are three digits. Enter the number 120 for the first IP system telephone, for example, the number 121 for the second IP telephone, and so on.

If the IP system telephone was already connected to another communication system, you will need to first perform a factory reset.

- To do this, press the 2, 8 and 9 keys simultaneously on the IP system telephone and confirm the prompt about the factory reset.
- Enter the Reset password (124816) and confirm it.

Note: The configuration of SIP system telephones is described in the Administrator Documentation under "Initial Installation of OpenScape Business X".

11 Activating UC Smart

This configuration is only required if you want to use the UC solution UC Smart.

UC Smart must be enabled, and you must assign a uniform initial password for all users of UC Smart.

- Start the "UC Smart" wizard in the WBM under "Setup > UC Smart".
- Under "Basic Settings", select the "Active" check box.
- Click under "System-wide initial UC Smart password" on "Configure", enter the initial password and confirm it with "Set".

IMPORTANT: Communicate the initial password to all UC Smart users! This initial password be changed by the user when logging in at a UC Smart client for the first time. Without the assignment of an initial password, the user cannot log into to a UC Smart client.

12 Installing the UC clients

The software of the UC clients is provided via the WBM. Depending on the selected UC solution, different UC clients are offered.

- Click in the WBM on "Service Center > Download Center" or "Service Center > Applications".
- Click on the software link of the desired UC client and download the software (e.g., "myPortal smart" for UC smart and "Communication-sClients" for UC Suite).
- For UC Suite clients:
  Unpack the ZIP file on the client PC and run the installation file. Follow the installation instructions.
- For UC Smart clients:
  Start the file "SmartClient.air" on the client PC and follow the installation instructions.

IMPORTANT: To install the UC clients, you must have local administration rights! For the UC Suite clients, the latest version of Java must be additionally installed. Adobe Air (link in the Service Center) must be additionally installed for the UC Smart client myPortal Smart.

For mobile UC users with iOS or Android smartphones, there is also the mobile app "myPortal to go", which can be downloaded from the Apple App Store or the Google Play Store.

The following applies when logging in to the UC client for the first time:

- The user name corresponds to the station number of the user.
- For UC Suite clients:
  The default password is 123456.
- For UC Smart clients:
  The default password is the previously assigned initial password.
- The server IP address is 192.168.1.2 by default.
- The protocol is https.

13 Updating

If a more recent version of the software is available, this is shown on the home page of the WBM as soon as OpenScape Business X3R/X5R is connected to Internet. You can then start the update via the "Service Center" menu.