

Quick Start Instructions



VoIP PBX COMpact 3000 VoIP

884127 V03.02/2015

Proper Use

Important: Improper use may cause, for example, functional restrictions or interference, the destruction of the device or, in a worst case scenario, personal injury

- Read the instructions for the device and keep them for future reference. A detailed operation guide can be found in the internet (see www.auerswald.de/service) and as a part of the Help on the integrated web server for the COMpact 3000 VoIP.
- If you are still uncertain about how to use the product properly, please contact your specialised dealer.

The COMpact 3000 VoIP device is a telecommunication system; it will be referred to as PBX in the following. This PBX connects various internal devices with the public telecommunication network (VoIP), thereby enabling external and internal calls. For this purpose, the PBX provides a number of different ports/interfaces. The PBX is appropriate for use on the private sector. The PBX is intended to be operated in closed rooms. In addition, all of the devices connected to the system must be located in the building.

Check the Package Contents

Use the following list to make sure the package contents are complete.



PBX
COMpact 3000 VoIP



4 rubber feet
(on carrier film)



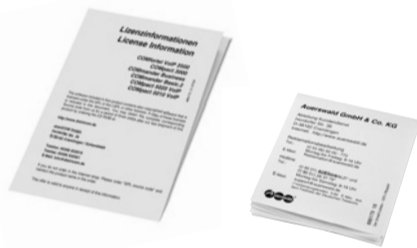
Accessories



These Quick Start
Instructions



Drilling template



Leaflet "License Information"
and "Conditions of Guarantee,
Information Service"



Power plug
Type no.: FW7577/EU/40
(cable length approx. 2 m)

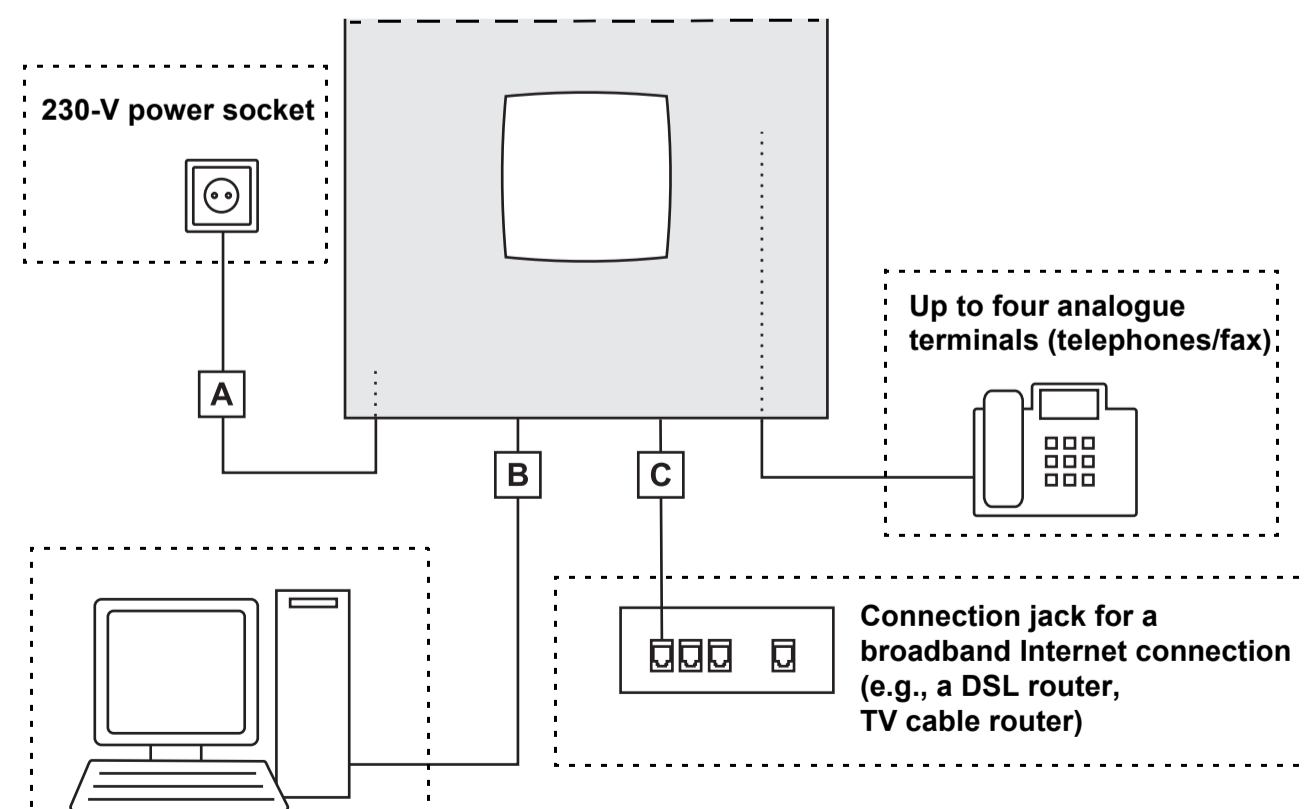


2 patch cables
(cable length approx. 3 m)

Install and Switch on the PBX

In order to put the system into operation, the connections/devices indicated with must be present. The 230-V power socket must be freely accessible and located in the immediate vicinity of the installation site.

Note: The connections/devices should also be placed in the immediate vicinity of the installation site; otherwise, the cables will have to be laid permanently. For more information about the installation site, the minimum PC requirements and installing additional components, please refer to the operation guide in the internet (see www.auerswald.de/service).



For commissioning using a PC:
PC with network jack and operating system Windows 7/8,
Mac OS X or Linux, with additional patch cable



Warning! Fatal electric shock hazard.

- Do not open the PBX during an electrical storm. Do not carry out connection or assembly work during an electrical storm.
- Only operate the device when the casing is closed.
- Only operate the device in closed, dry rooms.
- If the PBX is already turned on, remove both the PBX power plug and the accessory power plugs from the power socket before you open the casing.
- During operation, hazardous voltages (ringer voltages) are present at the internal a/b ports. For this reason, make sure that there is sufficient insulation when you are laying cables for analogue end devices.

1 Install the Device

Depending on the desired installation site, proceed as described below.

- Wall mounting: See the drilling template.
- Desktop device: Attach the four rubber feet (with adhesive) on the spots marked with circles on the bottom of the casing and place the PBX on a clean, level surface. To prevent unwanted marks on furniture surfaces, use a non-slip pad.

2 Remove the Cover Panel

1. Grasp the cover panel from below (under the rim) to the left and right with the fingers of both hands. Place your thumbs in the middle section next to the LED display.
2. Pull the cover panel away from the chassis slightly on both sides to unlatch the lock.
3. Lift the upper cover panel vertically off the casing. Press your thumbs against the casing to help you do this.



3 Insert the Module (Optional)



Caution: The more sensitive components can be destroyed by electrostatic charges!

- Discharge electrostatic charges by touching a heater or PC casing before you touch the module.
- Insert the module between the two circuit board guides and press it downwards vertically into the base unit.



4 Connect the Telephones and Fax

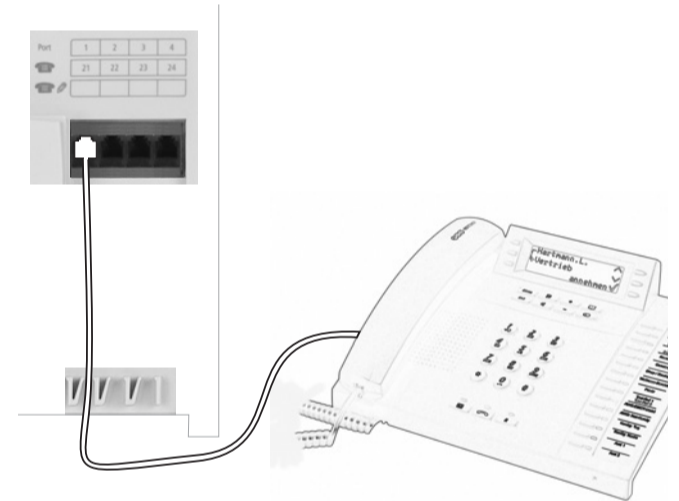
- Insert the telephone or fax plugs into the telephone jacks on the PBX.

Note:

For an existing fax, use the fourth telephone jack.

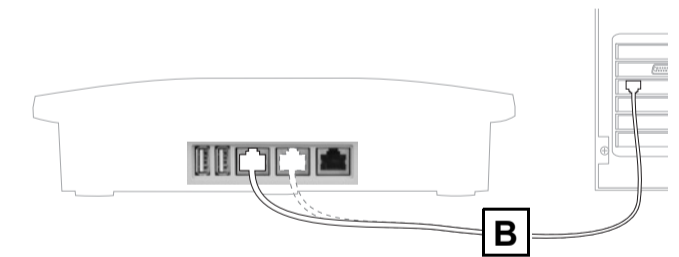
On an existing COMpact S₀ module, you can connect an ISDN telephone directly to the RJ-45 jack.

You can connect a VoIP telephone directly. The PBX has two RJ-45 jacks labeled "LAN", e.g., for a PC and a VoIP telephone.



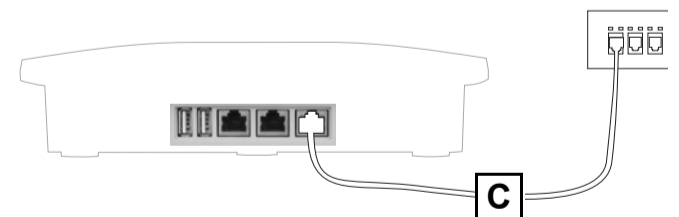
5 Connect the PC

1. Insert one end of the patch cable into one of the RJ-45 LAN jacks on the PBX.
2. Insert the other end of the patch cable into the network jack on the computer.



6 Connect the Network Provider (Internet Connection)

1. Insert one end of the connection cable into the RJ-45 jack labeled "WAN" on the PBX.
2. Insert the other end of the patch cable into a network jack on the router.



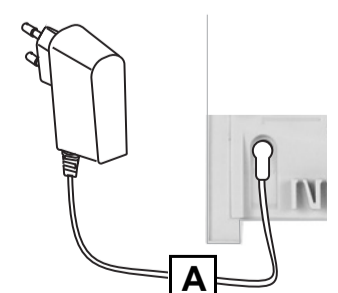
7 Power up the System



Warning: Replacing the wall-mounted power supply involves a risk of life-threatening electrical shocks and destruction of the PBX!

- For this reason, only use a power plug of type no. FW7577/EU/40.

1. Insert the barrel connector of the power plug into the barrel socket of the PBX.
2. Put the cover back on.
3. Insert the power plug into a freely accessible 230-V power socket. The "Power" LED lights up/flashes in red and orange for up to two minutes. If the LED is lit in green, the PBX is ready for operation.



Note: If the "Power" LED remains continuously lit in red, an error has occurred. Please contact your dealer or the manufacturer directly.

Start Making Internal Calls

You may make internal calls directly after switching the device on.

For internal calls, dial ****** and an **internal number** (the factory settings for the connected telephones include the telephone numbers 21 to 24; on the module, the telephone numbers 25 and 26; on the Ethernet port, the telephone numbers 27 and 28).

Note:

On a standard ISDN telephone, on an ISDN system telephone or on a VoIP system telephone, the internal number must first be entered as an MSN in the telephone (refer to the telephone instructions).

Information about commissioning a standard VoIP telephone on the PBX can be found in the operation guide in the internet (see www.auerswald.de/service).

Configure the PBX without a PC

If no PC is available for configuring the PBX, you have the following option for setting up the PBX without a PC.

If your dealer gave you a USB memory stick or an SD memory card containing a pre-set configuration file on it (auconfig.cfg in the root directory), you can automatically load this into the PBX. Proceed as described in the section **Upload Configuration Automatically**.

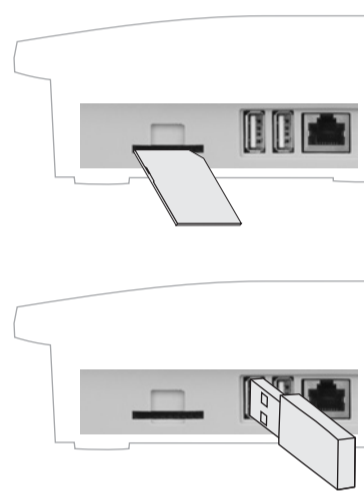
Upload Configuration Automatically

1. Remove the power plug from the power socket.
2. Insert the USB memory stick into the USB port or insert the SD memory card into the SD card slot on the side of the PBX casing.
3. Reinsert the power plug into the power socket.
The configuration is automatically uploaded into the PBX.

The "Power" LED lights up/flashes in red and orange for up to two minutes. If the LED is lit in green, the PBX is ready for operation.

Note: If the PBX is no longer set to its factory settings, no automatic configuration takes place. To ensure that the configuration is saved in the PBX anyway, proceed as described below.

- a) Pick up the receiver of an internal telephone.
- b) In sequence, dial **##8**, the 6-digit admin PIN (**111111** in the factory settings) and ***902#**.
You will hear the confirmation tone (pulsating tone).
- c) Hang up the receiver.



Configure a Permanent IP Address in the PBX

1. Pick up the receiver of an internal telephone.
2. In sequence, dial **##8**, the 6-digit admin PIN (**111111** in the factory settings) and ***930*0#**.
You will hear the confirmation tone (pulsating tone).
The DHCP client is function disabled in the PBX.
3. Hang up the receiver and then pick it up again.
4. In sequence, dial **##8**, the 6-digit admin PIN (**111111** in the factory settings), ***931***, the 12-digit **IP address** (e.g., for 192.168.2.10: 192168002010) and **#**.
You will hear the confirmation tone (pulsating tone).
The IP address has been configured in the PBX (for subnet mask 255.255.255.0).
5. Hang up the receiver.

Note: For more information, refer to the operation guide in the internet (see www.auerswald.de/service).

Open the Configuration Manager

Note: If the **UPnP service** is installed and enabled on the PC being used, the PBX is identified and selected as the "Auerswald PBX" device in the network environment. The configuration manager is then opened in the browser. Steps 1 and 2 are omitted. Proceed with Step 3.

1. Start a browser (e.g., Mozilla Firefox in current version).
2. In the address field of the browser, enter the IP address of the PBX.
An example for entering a permanent IP address is <http://169.254.1.240>.
The login window opens.
3. Enter the user name (**admin** in the factory settings) and the 6-digit admin PIN (**111111** in the factory settings).
4. Click **Login**.
The configuration wizard for the configuration manager opens.
Note: If the PBX is no longer set to the factory settings, the configuration wizard does not start automatically. Nevertheless, you can still start it by clicking **Configuration Wizard** in the navigation menu at the upper left.
5. Use the configuration wizard to carry out a quick setup of the PBX. During the course of the quick setup, all the basic settings are configured.
6. If necessary, carry out a firmware update in order to extend the PBX with the newly available functions. Information about new features can be found in the internet (see www.auerswald.de/service).

Configure the PBX Using a PC

Configuring the PBX using a PC is done using the configuration manager integrated in the PBX. This can be accessed via the IP address of the PBX. Depending on your connection and network environment, proceed as follows.

- If the PBX is connected to a router that works as a DHCP server and allocates IP addresses to the devices connected (default setting on most routers), you can access the PBX via two IP addresses:
 1. Via the permanent IP address 169.254.1.240.
 2. Via the IP address allocated by the DHCP server.Proceed as described in the section **Open the Configuration Manager**. If the permanent IP address is not working, you need to first query the IP address allocated by the DHCP server. Proceed as described in the section **Query the IP Address on the PBX**.
Note: If the UPnP service is installed and enabled on the PC you are using (see Windows Help), you do not need to know the IP address to open the configuration manager. The IP address does not need to be queried.
- If the PBX is connected to a network in which IP addresses are allocated permanently, the IP configuration on the PBX must be adapted for use on the network. For more information, contact your system administrator. Proceed as described in the section **Configure a Permanent IP Address in the PBX** and then, as described in the section **Open the Configuration Manager**.
- If the PBX is not connected to a router but is connected directly to a single PC and can automatically receive the IP address of the PC (default setting on Windows and Mac OS X), you can access the PBX via the permanent IP address 169.254.1.240. Proceed as described in the section **Open the Configuration Manager**.

Query the IP Address on the PBX

1. Pick up the receiver on an internal, CLIP-enabled telephone.
2. Dial **##8*941#**.
You will hear the confirmation tone (pulsating tone).
3. Hang up the receiver.
You will get a call. The IP address on the PBX is displayed on the telephone as a 12-digit number, e.g., for 192.168.2.10: 192168002010.

Check the Installation

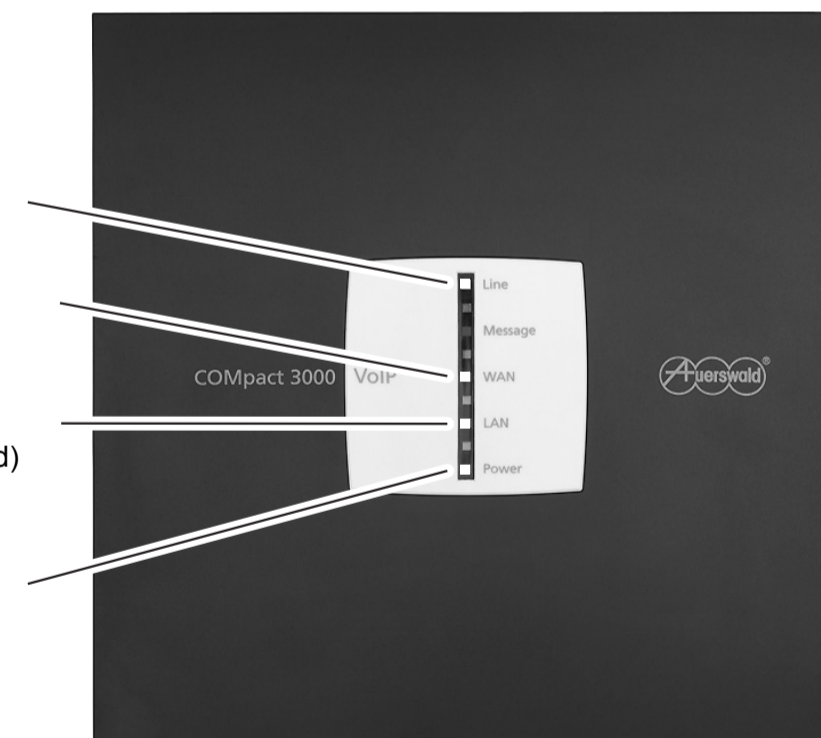
Check the installation by looking at the LEDs:

"Line" LED is lit
(the exchange line is ready and available; the VoIP account is registered)

"WAN" LED is lit/flashing
(connection to router established)

"LAN" LED is lit/flashing
(PC/network connection established)

"Power" LED is lit
(the PBX is ready for operation)



How to contact us ...

If there are any questions about your Auerswald system, please contact our representatives or distributor in the country of sale. The contact information can be found on the Auerswald web site (Internet address: www.auerswald.com).