

# GIRA

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## Safety instructions

Installation and mounting of electrical devices may only be carried out by qualified electricians.

Failure to observe the instructions can result in damage to the device, fire or other dangers.

Isolate before working on the device or load. Take account of all circuit breakers supplying dangerous voltage to the device or load.

Always connect protective conductors!



**Note: comply to DIN VDE 0834.**

Observe the content of DIN VDE 0834 and any other applicable regulations.

## Function

The system central control unit Plus regulates and controls the complete nurse call system Plus. The device is connected to the ward control centres and CT9 duty rooms terminals (where applicable) via the system bus (nurse call system Plus LAN).

All devices existing in the call system are automatically recognised. Devices can be integrated or removed from the call system at a later time.

The system central control unit Plus is immediately ready to use. Additional settings can be carried out via the configuration assistant in the device.



**Note: read the system operating instructions.**

Become familiar with all the possibilities of the device and the complete call system. Please read the system operating instructions and use the onscreen help information in the configuration assistant. You can find the system operating instructions in further language variations on the CD-ROM enclosed with the ward control centre.

## Scope of supply

- System central control unit with configuration software.
- Bracket for installation to DIN top-hat rail.
- Plug for power supply.
- Optionally available software modules: DECT (Order No.: 5994 00), BMA (Order No.: 5993 00), ELA (Order No.: 5996 00)

## Installation

The system central control unit Plus must be installed in a dry, dust-free and well ventilated location.

Installation on a DIN top-hat rail is possible.



**Important! Do not install in patient's rooms!**

The device must be securely installed. Access to the device for skilled personnel must be possible at all times.



**Important! Danger of overheating!**

With an unfavourable installation location, heat accumulation may cause device overheating. This may cause damage. Ensure sufficient air circulation to prevent heat accumulation.

## Connections

The system central control unit Plus has the following connections, as shown:

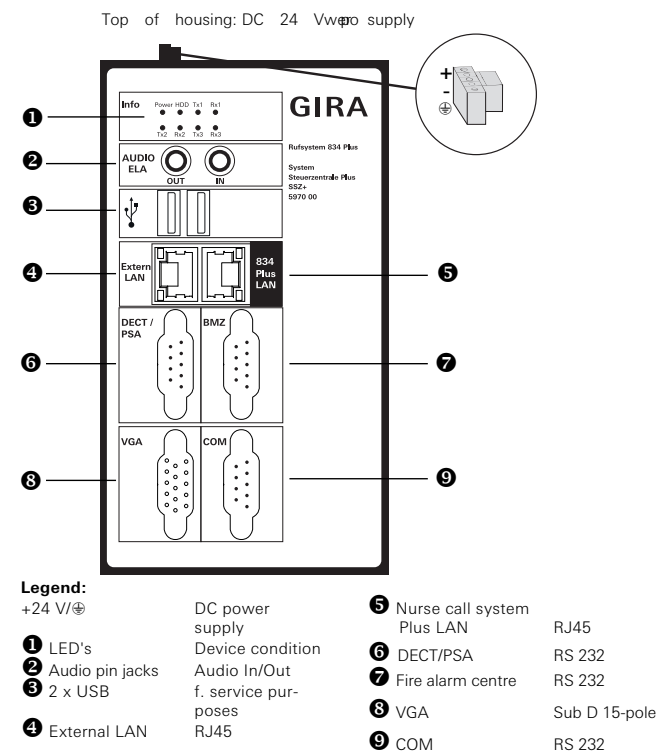


Fig. 1: Connections of the system central control unit

## Requirements for start-up

The requirement for operating the system central control unit Plus is a connection to the power supply and system bus. At least one operationally-ready ward control centre must be connected to the system bus.

- Room bus, ward bus and system bus are installed and ready for operation.
- The corresponding terminating resistances must be set on the ward bus.
- External power supply (Order No.: 5999 00, with UPS or Order No.: 5998 00/5981 00) is installed and ready for operation. Use the enclosed device plug for connecting.
- Start-up PC with internet browser, LAN connection and network cable are available.

## Start-up

1. Connect the power supply to the system central control unit.



### Important! Voltage on the system central control unit!

The system central control unit Plus does not have a mains switch. The system central control unit Plus boots immediately after connection to the power supply. This procedure takes up to 60 seconds.

2. Connect your start-up PC to the "External LAN" connection via the network cable.



### Note: IP address range of the start-up PC.

Ensure that the IP address of your start-up PC is between 192.168.0.1 and 192.168.0.254 (but not 192.168.0.111) (subnet mask: 255.255.255.0). Please consult the "Ethernet basics" chapter of the system operating instructions for further details of this.

3. Start the internet browser on your start-up PC. Enter the IP address 192.168.0.111 into the address bar of the internet browser.

The start screen of the configuration assistant opens.

Fig. 2: Start screen of the system central control unit

1. Select the language you require for starting the configuration assistant.
2. Enter "admin" in the administrator name field and "admin" in the password field.
3. Click on "Log on".



### Note: configuring a system.

First install all devices that should belong to a system before beginning with the configuration. All installed devices of a system are automatically recognised.

The overview screen of the configuration assistant opens.

GIRA Assistant for nurse call system Plus	
Configure organisational units	Configure wards <input type="radio"/> Group ward groups <input type="radio"/>
Interconnections and services	Configure global service times <input type="radio"/> Configure interconnections <input type="radio"/>
Document	<a href="#">Logical topology</a>   <a href="#">Physical topology</a>   <a href="#">Complete documentation</a>
Analyse system	<a href="#">Display current messages</a> <a href="#">Logging / log files</a>
Administration	<b>1</b> <a href="#">Set up network access</a> <a href="#">Access data</a>   <a href="#">Date and time</a>   <a href="#">Backup/restoration</a> <a href="#">Language settings</a> <a href="#">Global settings</a>

Fig. 3: Overview screen in the configuration assistant  
You can now carry out further settings to the system.



### Note: read the system operating instructions.

Become familiar with all the possibilities of the device and the complete call system. Please read the system operating instructions and use the onscreen help information in the configuration assistant. You can find the system operating instructions in further language variations on the CD-ROM enclosed with the ward control centre.



### Note: connect the nurse call system Plus to an existing network.

Consult a responsible network administrator before carrying out network settings.

To connect the system central control unit to an existing (hospital) network, the "External LAN" connection can be configured in the configuration assistant via the menu item **Administration / Set up network access** see fig. 3 (1).

Please consult the "Ethernet basics" chapter of the system operating instructions for further details of this.



### Note: using a time server.

In order for the system time of the nurse call system Plus to be automatically sourced via a time server (NTP server) on the internet, the system central control unit Plus must be connected to an external network (e.g. company or hospital network) via the "external LAN" connection,

## Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade).

They will forward the devices to the Gira Service Center.

## Technical data

Operating voltage:	24 V DC
Current consumption:	400 mA
Power consumption:	approx. 9.6 W
Ambient temperature:	-5 °C to +50 °C
Humidity:	max. 90 %
Protection type:	IP 20
Connection terminals:	Ø to 2.5 mm <sup>2</sup>
Mounting:	possible on DIN top-hat rail