

General information

In the use of the DCS IP data interface, new systems and existing systems are differentiated. Depending on the project into which the DCS IP data interface is integrated, the procedure varies.

New system

All DCS devices have not yet been installed and configured. To read the bus address of the respective device, the devices have to be present. The DCS IP data interface is used for initial setup or configuration. Next steps See "Procedure for new systems" on page 3.

Existing system

All DCS devices have already been installed and configured. The DCS system is expanded with the DCS IP data interface. With the GPA, the DCS system can be modified and expanded. Next steps See "Procedure for existing systems" on page 5.

Gira Project Assistant

Gira Project Assistant (GPA)

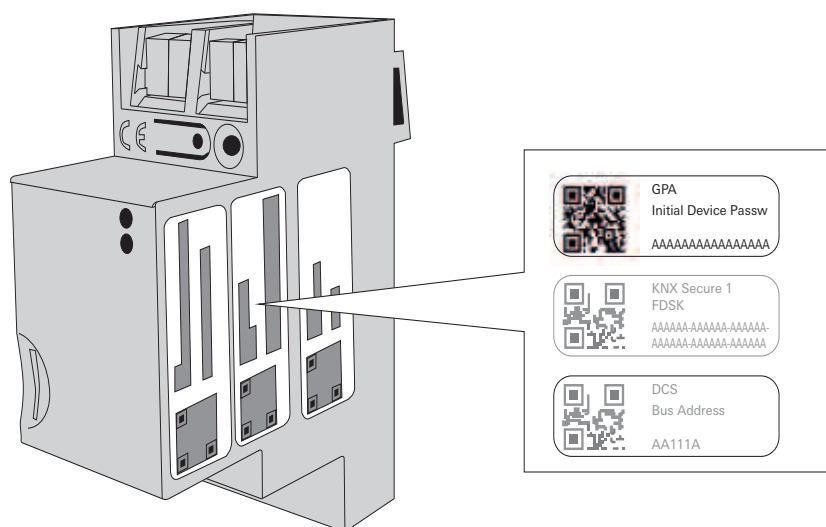
The DCS IP data interface is configured by means of the GPA (from version 3.0).

Download the GPA in the Gira download area (www.gira.de/service/download/gpa) and install the GPA prior to starting the project.

Device password

The device password (designated as "GPA Initial Device Password") can be found on the right-hand side of the DCS IP data interface.

You need this password to unlock the DCS IP data interface in the GPA, among other uses.

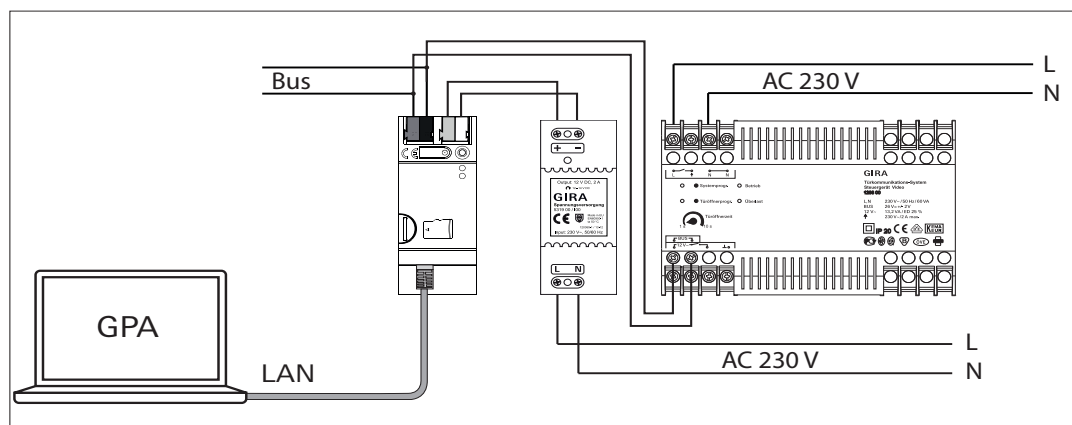


Connecting and assigning the DCS IP data interface

Direct connection with PC

Keep the following in mind for a direct connection to the commissioning PC:

A “direct connection” per Ethernet line can take up to 4 minutes, because the DCS IP data interface first has to be found in the network. Set the IP setting of the commissioning PC to “Automatic”.



Assigning the DCS IP data interface to the control device

At the beginning of the commissioning procedure, the DCS IP data interface has to be assigned to a control device (audio or video).

To this end, the programming mode must be started on the control device within 30 min after voltage is applied to the DCS IP data interface (function LED lights up in green).

If the time is exceeded, the DCS IP data interface must be completely disconnected from the power supply prior to retrying the assignment (power supply and bus voltage).

Procedure for new systems

Preparation

1. Download and install the GPA.
2. Start the GPA, create new project, activate the "Door communication" project scope.
3. Create the building structure.
4. Drag the DCS IP data interface into the building structure (=locate).



Online device or offline device template

The GPA differentiates between a device that has already been installed and recognised (online), or a device template (offline) from the device catalogue.

The online device is dragged directly into the building structure, configured and commissioned.

The device template is a placeholder for a future device. All settings can be configured just like for the online device. However, commissioning the device is not possible. Later, the corresponding online device is simply dragged onto the template and commissioned.

5. Locate all other devices and assign unique device names. When using a repeater, pay attention to the main and ancillary lines. The repeater always has to be located in the ancillary line.
6. Enter bus address and enter the installation location on the device's box.



Bus address

You can scan the bus address into the GPA with a suitable scanner.

If there is no bus address on the device or on the packaging label, you can read out the bus address at a later stage with the bus address finder. More information See "Bus address finder" on page 7.

7. Configure devices (example: on the surface-mounted video home station, at "Parameters", set the main display and the terminal resistor).
8. Establish connections between call button and home station, as well as control device and door station. For more information, refer to the online help of the GPA.
9. Switch off the mains voltage, install all devices incl. DCS IP data interface in acc. with their respective operating instructions and at the noted installation location, and connect the devices with each other as needed.
10. Connect the commissioning PC with the DCS IP data interface per Ethernet line (See "Connecting and assigning the DCS IP data interface" on page 2):
 - Using a 1:1 connection via the LAN connection of the DCS IP data interface, or:
 - Via the local network.
11. Switch on power supply.

Commissioning in the GPA

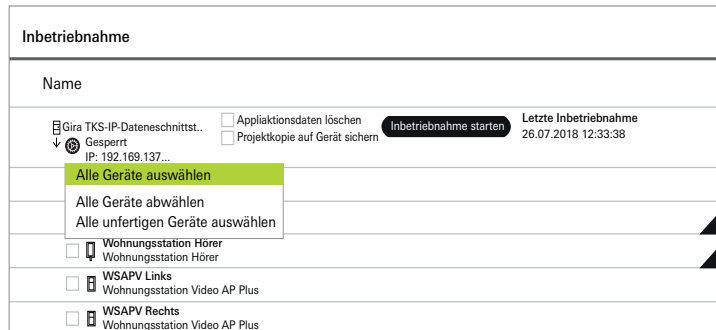
1. Replace the device template of the "DCS IP data interface" with the online device.
2. Click Commissioning. The following selection window opens:

Inbetriebnahme	
Name	
<input type="checkbox"/> Gira TKS-IP-Dateneschnittst... <input checked="" type="radio"/> Gesperrt IP: 192.169.137...	<input type="checkbox"/> Applikationsdaten löschen <input type="checkbox"/> Projektkopie auf Gerät sichern <input type="button" value="Entsperren"/>
Letzte Inbetriebnahme 26.07.2018 12:33:38	
<input type="checkbox"/> System 106 Türstationsmodul	
<input type="checkbox"/> System 106 Türstationsmodul	
<input type="checkbox"/> TKS Repeater	
<input type="checkbox"/> TKS Repeater	
<input type="checkbox"/> Wohnungsstation Hörer	
<input type="checkbox"/> Wohnungsstation Hörer	
<input type="checkbox"/> WSAPV Links	
<input type="checkbox"/> Wohnungsstation Video AP Plus	
<input type="checkbox"/> WSAPV Rechts	
<input type="checkbox"/> Wohnungsstation Video AP Plus	

3. Click and unlock the DCS IP data interface with the device password.

4. Then click . The following options are available:

- Select all devices.
 - Deselect all devices (and subsequently separately select individual devices).
 - Select all unfinished devices (these are the devices that have not been completely configured yet).
- The "exclamation mark corner" indicates devices that still have to be commissioned.



5. Click .



Phases of the commissioning procedure



The first phase of the commissioning (the project is transmitted to the memory of the DCS IP data interface) takes approx. 2 min.

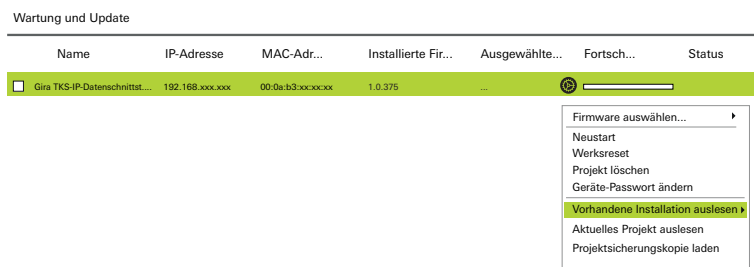
Thereafter, a window appears with the information that the GPA can be closed and the connection to the commissioning PC can be disconnected.

The second phase of the commissioning runs automatically and continues until all devices are in operation.

Procedure for existing systems

Preparation


1. Download and install the GPA.
2. On site: Switch off the power supply.
3. Connect the DCS IP data interface to the main line of the 2-wire bus, as described in the operating instructions, and connect it to the control device and additional power supply.
4. Connect the commissioning PC with the DCS IP data interface per Ethernet line (See "Connecting and assigning the DCS IP data interface" on page 2):
 - Using a 1:1 connection via the LAN connection of the DCS IP data interface, or:
 - Via the local network.
5. Switch on power supply.
6. Start the GPA and, under , open the menu item "Action Center".
7. Select the DCS IP data interface and unlock the device by entering the administrator password.
8. Click  and start readout.

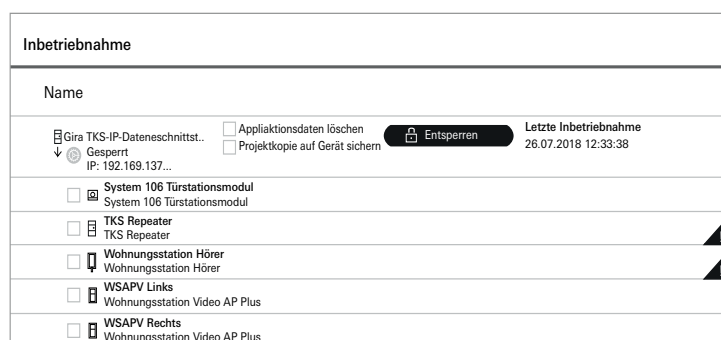


9. The progress is displayed in the indicator bar. Once the readout has been completed, the project can be imported.
10. Open imported project.

The building structure of the existing structure is not transferred. However, it can be created afterwards. Additionally, new devices can be added.

Commissioning

1. Replace the device template of the "DCS IP data interface" with the online device.
2. Click  Commissioning. The following selection window opens:



3. Click  Unlock and unlock the DCS IP data interface with the device password.

4. Then click . The following options are available:

- Select all devices.
 - Deselect all devices (and subsequently separately select individual devices).
 - Select all unfinished devices (these are the devices that have not been completely configured yet).
- The "exclamation mark corner" indicates devices that still have to be commissioned.

Inbetriebnahme	
Name	
<input type="checkbox"/> Gira TKS-IP-Dateneschnittst... <input checked="" type="checkbox"/> Gesperrt IP: 192.169.137...	<input type="checkbox"/> Applikationsdaten löschen <input type="checkbox"/> Projektkopie auf Gerät sichern <input type="button" value="Inbetriebnahme starten"/>
	Letzte Inbetriebnahme 26.07.2018 12:33:38
<input type="button" value="Alle Geräte auswählen"/>	
<input type="button" value="Alle Geräte abwählen"/>	
<input type="button" value="Alle unfertigen Geräte auswählen"/>	
<input type="checkbox"/> Wohnungsstation Hörer Wohnungsstation Hörer	<input type="button" value="!"/>
<input type="checkbox"/> WSAPV Links Wohnungsstation Video AP Plus	<input type="button" value="!"/>
<input type="checkbox"/> WSAPV Rechts Wohnungsstation Video AP Plus	<input type="button" value="!"/>

5. Click .



Phases of the commissioning procedure

The first phase of the commissioning (= commissioning of the DCS IP data interface) takes approx. 2 min. Thereafter, a window appears with the information that the GPA can be closed and the connection to the commissioning PC can be disconnected.

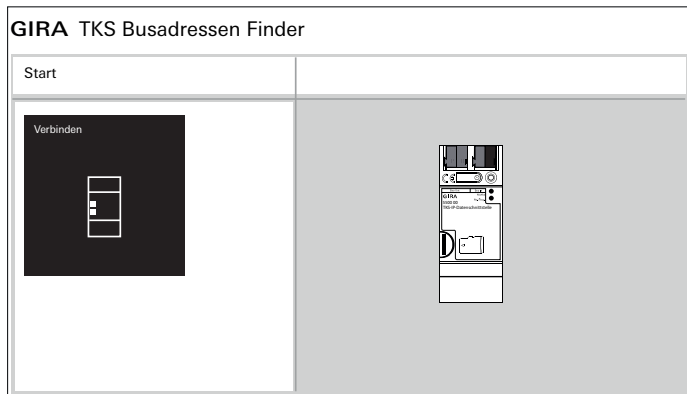
The second phase of the commissioning runs automatically and continues until all devices are in operation.

The building structure of the existing system is not transferred. However, it can be created afterwards. Additionally, new devices can be added.

Bus address finder

Download the bus address finder in the Gira download area (www.gira.de/service/download/gpa) and install the bus address finder prior to starting the project.

1. Download and start the bus address finder (click “Connect”).
2. Enter the IP address and device password of the DCS IP data interface and establish the connection.



3. Follow the instructions in the software.