HS Transfer Help

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Check project

The project is only checked. The messages on checking are displayed in the message area at the lower edge of the Expert window.

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Transfer project/Transfer project (Without scan)

The HS/FS is first given its functionality with the transfer; the project data must be transferred to the HS/FS for this purpose. The HS/FS can be configured locally or remotely. There are three ways to transfer the data:

- Transferring via the serial port (COM port)

- Transferring via a **network connection** (LAN, Internet or direct dial-in via ISDN)
- Save in a file (.HST file)
  This file can then be transferred with the (independent) program HS transfer to the HomeServer/FacilityServer. The HS/FS Expert is **no longer** required for this purpose. (Note: The program HS transfer is part of the Expert setup. It is located in the directory "[Expert]\tools\hstransfer".)

Note: For repeated transfer, data of the archive already recorded can be deleted. This occurs when changes have been made to the archives in the master data. Therefore, back up the data with querying, ftp transfer or by sending of e-mails.

Differences with transferring with/without scan
If the project is transferred in the *Transfer without scan* mode, the communication objects are **not read out** when starting the HS/FS. The communication objects are also **not** read out when restarting the HS/FS. Reading out (scanning) of the communication objects does not take place until the project is transferred again.

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Transfer type 1: Via network

Local address (Not in HS transfer)
The IP address of the HS/FS assigned in the project is used here. The IP address is specified in the Master data/Project/Network mask.

Remote access (Not in HS transfer)
This option is used if the HS/FS can be reached via a static IP address or a fixed name (e.g. via www.dyndns.org). The address displayed and used here is entered in Master data/Project/Project settings.

Different address (in HS transfer: IP address of the device)
With this option the HS/FS can be addressed directly via the name or IP address for the configuration. In addition, the IP port must also be entered here.
Expert: The IP port is recorded under Master data/Project/Project settings.
HS transfer: The IP port must be specified (usually: 80)

Example: *192.168.0.11* or *hsfs.example.net*

The settings for the network are made in Master data/Project/Network.
In the delivered state the HS/FS has the IP address *192.168.0.11*

Address via portal
This option enables the HS/FS to be addressed via the portal. For this purpose, the HS/FS must be connected to the Internet and the current address must be known in the portal. Details on the portal are described here.

Address of portal
Remote configuration of the HS/FS is carried out via this portal address. For example, *portal.example.net*

Name
The HS/FS is reached under this name via the portal. In the delivered state, this is the serial number of the HS/FS.

IP port
The IP port under which the HS/FS can be reached on the Internet.

User data for login

User name
The HS/FS expert logs in on the HS/FS with this user name. The user must have administrator rights. Only users with these rights are proposed in the list.

Password/PIN
The HS/FS Expert logs in on the HS/FS with this password/this PIN.

Important: Observe use of uppercase/lowercase characters!

Save password (Not in HS transfer)
The HS/FS Expert permanently saves the user name and password. These data are proposed when the program is restarted.

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Transfer type 2: Via serial port

The transfer via the serial port is **only possible during the start-up phase** of the HS/FS. In the process, the start-up PC establishes a connection to the HS/FS via the COM port. In ongoing operation, the transfer is only possible via the network!

Procedure (Important: follow the sequence exactly!):

- Switch off the HS/FS
- Connect the HS/FS and the start-up PC using the cable provided
- [Start] the transfer in the HS/FS Expert
- Then switch on the HS/FS
- The data transfer begins after a short time

Serial port
The number of the COM port is entered here (e.g. 1 or 2).

Note: The "HS/FS Expert" uses the following parameters:
- 115,000 bits per second
- 8 data bits
- No parity
- 1 stop bits
- Hardware protocol

The transfer parameters generally need not be set for the commissioning PC. Should problems result during the transfer, these parameters can be set in the system settings of the PC.

Note: If transfer problems occur, we recommend switching the the FIFO. This can be switched on under Windows in the Control Panel/System/Hardware/Device Manager/Connections/COM.

Transfer type 3: Save in file

Note: A file created in this way can be transferred to the HS/FS with the program "HS transfer". No installed Expert software is required for this purpose!

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File name

You can enter an absolute, i.e. complete, path directly in the text field. This must contain the drive letter, the directory tree and the name of the file with the ending ".hst".
Example: *C:\Documents and Settings\Tom\My Files\HS+FS Expert\HST Files\test.hst*

Note: The directory must exist. It will not be automatically created!

As an alternative, you can use the button located on the right next to the text field. It opens a default Windows file dialogue. The preset path is the Expert directory in My Files. Select a directory, specify a file name and click on the "Save" button.

See also: HS transfer program.

Tie to serial number

You can tie the transfer of the project to a specific HomeServer/FacilityServer by activating the option and specifying the serial number of a HomeServer/FacilityServer.
The project saved in the file can then be **exclusively** transferred to this HomeServer/FacilityServer!

Use password

You can protect the transfer with a password you select. Activate the option and specify a password that is to be requested during the transfer.

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Transfer mode

A transfer can be carried out in the following modes:

- Transfer images+data+voice messages
- Transfer data
- Restart only (**NOT** for transfer type 3!)

Transfer images+data+voice messages
The following is transferred:

- The entire project data
- All graphic files (Designs, Symbols, Visualisation, etc.) and settings
- All globally installed Ajax, Pocket and Remote visualisations
- All QuadConfig data

This mode must be used under the following circumstances:

- Before the first data transfer or before calling the user interface for the first time
- After changing graphics files
- After creating new symbols and optical modules
- After assigning other/new designs
- After changes in the QuadConfig
- After the installation of a new Ajax, Pocket or Remote visualisation or if changes are made to files in a subfolder of the *\hsupload* directory

Transfer data
Only the project data are transferred. This mode must be carried out after each change in the project.

Restart only
This option triggers restarting of the HS/FS. No transfer of the project data takes place.

Delete retentive memory
The retentive memory is deleted with this option. The preceding transfer modes leave the retentive memory unchanged. Retentive memories are the data memories which save data beyond a power failure or a restart. (For example, time clocks, calendars, archives, counters, etc.)

Important: Please note that when the retentive memory is deleted, all configuration entered by the user in the QuadClient, e.g. a user password which differs from the one defined in the QCConfig, the administrator password or plugin configurations, are also deleted!

Note: This option is **NOT** available for transfer type 3!

Important: During a program update (firmware) of the HS/FS, the retentive memory must be deleted during the first data transfer!

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Messages

The following messages can appear during the transfer:

Error messages

- Note: No user entered
  No user name was entered.
- Note: No password entered
  No password was entered.
- Invalid IP address or IP port specified

- Invalid COM port

- System error: %s

- Unable to transfer data
  Syntax of password:Observe use of uppercase/lowercase characters
- Not online

- Unknown user

- Unable to establish connection

- Timeout expired

- An error has occurred on the serial port of the PC. (Sx%d)

- An error has occurred on the serial port of the PC. (Rx%d)

- An error has occurred during the transfer (3)

- Cannot open ComPort, ComPort probably assigned.
  The set serial port (COM1 to COMx) has probably been opened by another program (e.g. ETS). The existing interfaces can be checked under Control Panel->Device Manager.
- Target file could not be created.

Warning messages and information

- The HomeServer/FacilityServer establishes a permanent connection to the Internet with the settings you have selected. This results in (high) costs, which will not be assumed by Gira Giersiepen GmbH & Co KG.

- The HomeServer/FacilityServer establishes a connection to the Internet as required with the settings you have selected. This results in costs, which will not be assumed by Gira Giersiepen GmbH & Co KG.

- Please note that external interference can occur during remote data transfer. Therefore, it is vitally important in this case that operating monitoring and checking be carried out locally by a qualified person. As a result, the operability and reachability of the HomeServer/FacilityServer can be impaired during a remote data transfer. To restore the former state of the device, the start-up PC must be

connected directly to the device via the RS232 interface. This can result in additional start-up, travelling and/or vehicle costs, which will not be assumed by Gira Giersiepen GmbH & Co KG.

- Important note: A retentive memory can only be uploaded at the user's own risk. Please see the documentation.

- No user with Administrator rights is present. If this project is transferred, an additional transfer via a network is then not possible. Transfer project?

- Project has already been transferred. Do you want to transfer the project again? *Note: The project can be transferred as often as desired.*
- Important: Be sure to observe the information in the help on backing up the retentive data via FTP.

- Establish connection to portal

- Log on... (%s)

- Open connection

- Connection closed

- Transfer completed

- Open connection

- Connection closed

- Transfer successfully completed *Unable to transfer the data successfully; the HS will now restart.*
- - Note: NO scan will take place following the transfer!

- The selected retentive file is invalid.

- The downloaded retentive file is invalid.

- Directory '%s' cannot be emptied.

- Directory '%s' cannot be emptied.

- No file name selected.

- Debug page cannot be called via serial port.

- Version calibration successful.

- Version calibration failed.

- Expert and firmware do not match. Expert version is too old. Please install the respective latest version.

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- Expert and firmware do not match. Firmware version is too old. Please install the respective latest version.

- Expert and firmware do not match. Please install the respective latest version.

- Insufficient main memory available for calling. Please try again later.

- Checking the selected file...

- The selected file is valid.

- Checking the downloaded file for...

- The downloaded file is valid.

- Project occupies approx. %d%% of the memory.

- Project is %d kB too large.

- Occupied memory: %d kB

- Total memory: %d kB

- The project was rejected by the device. It may be faulty.

- Project ID: %s

- Memory capacity insufficient.

- * Data have been saved.

- * Images+messages have been rejected.

- File compiled successfully.
  The file was successfully saved in a file with transfer type 3.
- No file selected.

- Please note that external interference can occur during remote data transfer. Therefore, it is vitally important in this case that operating monitoring and checking be carried out locally by a qualified person. As a result, the operability and reachability of the HomeServer/FacilityServer can be impaired during a remote data transfer. To restore the former state of the device, the start-up PC must be connected directly to the device via the RS232 interface. This can result in additional start-up, travelling and/or vehicle costs, which will not be assumed by Gira Giersiepen GmbH & Co KG.

- Waiting for a connection...

- Restart device

Save retentive memory

The retentive data of the HS/FS are backed up with this mask. Always also back up the HS project (see archive project) in addition to the retentive data. The retentive data can only be restored with the related project. The user must have administration rights.
Important: If you use an ISDN connection, the backup will **not** function!

Save under the following file name
The entire retentive data are saved in this file. The file has the ending *.dat

Upload retentive memory

Retentive data can be loaded into the HS/FS again with this program item. When doing so, it is necessary that the project from which the data originate is still operating on the HS. Otherwise the saved data cannot be assigned in the project. They are lost in the process. The HS is automatically restarted after uploading.

Select retentive memory file
The contents of the file specified here are loaded into the HS. The file has the ending *.dat

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Upload firmware

General
A new firmware can be uploaded on the HS/FS with this program item.

This can be carried out in 2 ways:

- via serial port
- via the network (LAN)

The general mode of operation is the same as when transferring a project.
It must be noted that the version of the firmware currently installed on the HS/FS must already support this functionality. (From Version 2.4)

Conditions
- If fewer than 20 MB of free main memory are available on the HS/FS, then the firmware cannot be transferred via LAN!
- The user used for the transfer must have administrator rights. This is checked by the firmware before each transfer.

Note: You will find a firmware in the directory "[Path to HS/FS Expert]\firmware".

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HS transfer

Using the program HS transfer, project files can be transferred to the HS/FS without the Expert software being installed, which have been generated in the HS/FS Expert with the Save in file method.
This means that the project can be created on Computer A and transferred to a file with this method. Then this file can, for example, be sent by E-mail to Computer B on which only the (stand-alone) program HS Transfer is available. From Computer B, the project file can then be transferred to the HS/FS.

__Important__: All files located in the installation directory belong to the HS transfer program! When sending a file by e-mail, please archive the entire directory (e.g. save it as a ZIP directory) and then send it.

The HS transfer program offers virtually all transfer options which are also offered by the Expert software.

The included help with the descriptions of the individual points is that of the Expert software. However, it also applies to all point available in the HS Transfer program. The deviations are described in the following.

Transfer project

Method 3 (Save in file) is **not** available in the HS Transfer program!

Instead, a file created in this way must be selected with a default Windows file dialogue. Information on the project is then displayed in the "Project information" area. This file can then be transferred to the HS/FS with Method 1 (via network) or Method 2 (via serial port).

Upload retentive memory

See Upload retentive memory

Save retentive memory

See Back up retentive memory

Transfer firmware

See Upload firmware