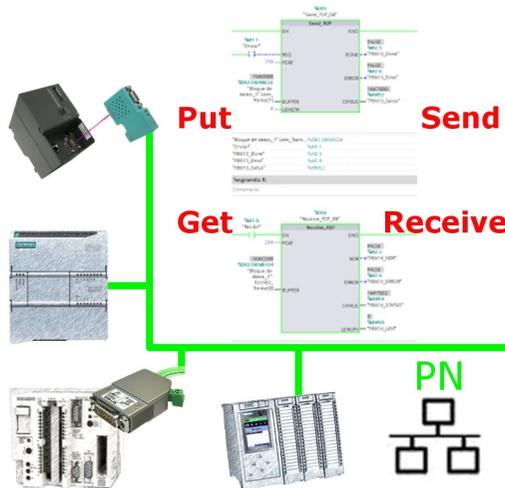


# Handling short instructions for PLC coupling



## Commissioning of S5-LAN++ and S7-LAN

Before you can start with the configuration of the coupling you should first set up your S5-LAN++ (to access your S5 controller via the PG interface) and / or S7-LAN (to access your S7 controller via PPI/MPI/Profibus) modules. For this please read the short instructions for the S5-LAN++ or S7-LAN.

## Configure coupling

The S5-LAN++ and S7-LAN are supporting multiple couplings. In general a distinction is made between a active controller, which establishes and manages the connection, and a passive controller, which waits for the connection and queries.

For the coupling type “PUT/GET” a change is only needed on the active controller, because here flags and data blocks from the passive controller are directly accessed by the active controller.

For the coupling type “SEND/RCV” a change on both controllers is needed.

The following table shows a overview about possible couplings between controllers and shows up, where you can find more information about the configuration of the coupling. All descriptions and example applications can be downloaded on the product page of the S5-LAN++ and S7-LAN.

| controller 1 (active) | controller 2 (passive) | coupling type | description / example            |
|-----------------------|------------------------|---------------|----------------------------------|
| S7-200 via PPI        | <i>any</i>             | PUT/GET       | project „S7-LAN_PUT-GET“         |
|                       | S7-200 via PPI         | SEND/RCV      | project „S7-LAN_SEND-RCV“        |
| S7-300/400 via MPI/DP | <i>any</i>             | PUT/GET       | project „S7-LAN Aktives PUT-GET“ |
|                       | S7-300/400 via MPI/DP  | SEND/RCV      | project „S7-LAN an S7-LAN“       |
|                       | S5 via PG port         | SEND/RCV      | project „S5-LAN++ an S7-LAN“     |

| <b>controller 1 (active)</b> | <b>controller 2 (passive)</b> | <b>coupling type</b> | <b>description / example</b>               |
|------------------------------|-------------------------------|----------------------|--|
| S7-300/400 via Ethernet-CP   | S7-200/300/400 via PPI/MPI/DP | PUT/GET              | S7-LAN manual section „Access via PUT/GET“ |
|                              | S7-300/400 via MPI/DP         | SEND/RECV            | project „S7-LAN an S7-CP“                  |
|                              | S5 via PG port                | PUT/GET              | S5-LAN short instruction „S5-S7-coupling“  |
|                              | S5 via PG port                | SEND/RECV            | Project „S5-LAN++ an S7-CP“                |
| S7-1200/1500 via Ethernet    | S7-200/300/400 via PPI/MPI/DP | PUT/GET              | S7-LAN manual section „Access via PUT/GET“ |
|                              | S5 via PG port                | PUT/GET              | S5-LAN short instruction „S5-S7-coupling“  |
| S5 via PG port               | S5 via PG port                | SEND/RECV            | project „S5-LAN++ an S5-LAN++“             |

For every example project shown in the table above there is also a description of the project. For S5 couplings this can be found within the ZIP archive with the example projects and for S7 couplings within the manual of the S7-LAN module.

Under the web-address <https://www.process-informatik.de> are product specific documentations or software-driver/-tools available to download.  
If you have questions or suggestions about the product, please don't hesitate to contact us.

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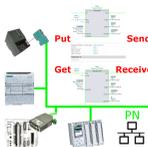
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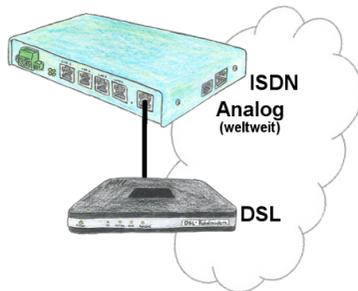


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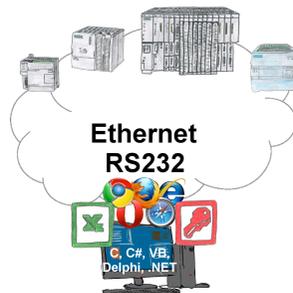
Please make sure to update your drivers before using our products.

## Universal coupling



You need a family of devices with which you can solve all your requirements? No problem! With the TELE-router you are able to establish a connection via analog, ISDN or PPPoE (DSL cable modem). The devices are compatible with each other in each case, so that no further additional hardware is needed.

## Communication-driver for S7-PLC



S7-PLCs and you need data in your PC or production planning system?

The S7-communication-drivers connect the office-world with the control-world. Be it classic with a serial-port of the PC up to communication over the network. Thanks to additional adapters (such as S7-LAN), controllers without a LAN connection can be connected to the network. Nothing stands in the way of communication with an IP-address. On your PC for Windows as a DLL-file, for Linux as an object, you have tools where you can access the data of the controls by calling up functions such as "ReadBlock" or "WriteFlag". Tie for e.g. the DLL into your project and your application already has PLC-access or simply access the data with Excel and process it in Excel.