



**Automations- und  
Steuerungstechnik GmbH**

## **Manual**

# **EIB IR Control**



**controlling TV, Video, Sat  
and the complete EIB  
with only one telepilot**

**Order number IR-Sensor: E001-H011001**

**Order number IR-Controller: E001-K012001**

**Order number IR-receiver Artcase: E001-H022000**



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**EIB-IR-Control, graphicly remote control for EIB and more**

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This handbook describes also functions, which are options.  
Only qualified persons are allowed to install our units.

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## **Highlights EIB-IR-Control**

- handles TV, Video, Sat and the complete EIB with one infra red remote control
- supports all EIB-telegrams up to 2 bytes (even non-EIS)
- supports switching, dimming, temperature adjust, shutters, central functions...
- graphic touch screen
- display of rooms, floors, buildings close to reality
- easy integration into existing EIB systems
- 1 IR-controller supports up to 8 IR-sensor modules
- no ETS required to parametrize the tele pilot

## **Fields of application**

- Replacement of most of all tele pilots for consumer electronics and controlling the complete EIB
- Discrete controlling of light and more in conference rooms direct by the speaker
- Controlling EIB independent of fix mounted pushbuttons
- Replacement of control panels
- Replacement of arrays of pushbuttons
- Individual controlling of rooms with removeable walls

## **Contents of delivery of EIB-IR sensor**

- 1 EIB IR sensor (up to 7 additional EIB-IR-sensors are connectable to one EIB IR controller)
- Documentation

## **Contents of delivery of EIB-IR controller**

- 1 EIB-IR-controller
- Documentation



## Introduction

EIB-IR-Control replaces nearly all tele pilots for consumer electronics like TV, SAT, Video with only one unit. One telepilot is usable to control all EIB actors. Switching, dimming, temperature adjustment and shutters. One IR-controller supports up to 8 IR-sensors.

In teach in mode, you can copy the complete functions of consumer telepilots used for TV-, Video- und SAT. Functions of most of all manufacturers are already integrated. So you can omit tech in. Just click to a device and import all functions.

Programming of EIB-functions is easily done by typing in the group address, EIS-Type and function.

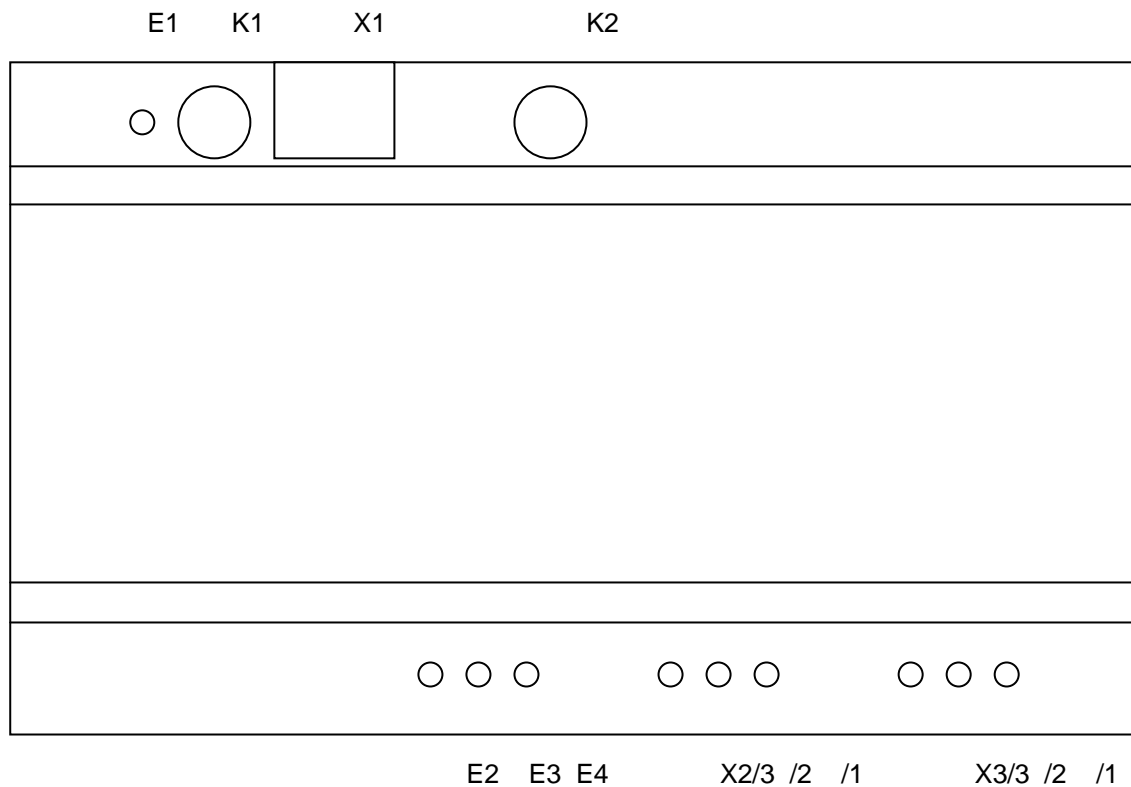
See also: CCEIBSPS, EIB-Control-Platform, ActiveX, DLLs, OPC offer texts.

## Technical datas EIB-IR-Controller

|                                      |                   |
|--------------------------------------|-------------------|
| Main voltage (absolute max value):   | 110-230V (+10%)   |
| Fitting:                             | REG, 9TE          |
| Max number of IR-sensors:            | 8                 |
| IR-sensor-cable length:              | max 50m           |
| IR-sensor cable:                     | shielded 2-wire   |
| recommended:                         | shielded 3-wire   |
| Supported group addresses:           | 32767             |
| Supported EIS-types:                 | all up to 2 bytes |
| Supported telepilots / IR-controller | unlimited         |



## EIB-IR-controller (din rail mounted) top view







## **EIB-IR-controller connectors**

|      |  |
|------|--|
| E1   | EIB-programming LED  |
| K1   | EIB-program key for physical address   |
| X1   | EIB-connector  |
| E2   | EIB telegram LED   |
| E3   | IR reveice LED (Infrared receiver)   |
| E4   | Supply LED (power supply)  |
| X2/1 | Ground for IR-sensor (also connected to shield)<br>(connected to black wire of sensor) |
| X2/2 | Signal from IR-sensor<br>(connected to white wire of sensor)                           |
| X2/3 | Power supply for IR-sensor<br>(connected to red wire of sensor)                        |
| X3/1 | N-line   |
| X3/2 | earth (ground) of mains  |
| X3/3 | mains phase (230V~)  |

## **Technical datas EIB-IR-Sensor**

|                     |  |
|---------------------|--|
| Power supply:       | 5V, supplied by EIB-IR-controller      |
| Dimensions: (W*H*D) | 40*13,5*25mm                           |
| Mounting:           | front side 2 screws M3, distance: 25mm |
| Cable length:       | approx. 60mm                           |





## Technical datas EIB-IR-telepilot

|                            |                                    |
|----------------------------|------------------------------------|
| Operating interface:       | Touchscreen                        |
| Display:                   | LCD, graphic, monochrome, backlite |
| Grayscale:                 | 4                                  |
| Power supply:              | 4 batteries LR6 AA 1,5V            |
| Supported group addresses: | 32767                              |
| Supported EIS-types:       | all up to 2 bytes                  |
| Programing:                | Teach in or by PC                  |
| PC connection:             | serial, V24                        |
| IR distance:               | up to 15m                          |
| Dimensions: (W*H*D)        | 92*35*140mm                        |
| Display dimensions:        | 79*60mm                            |
| Supported versions:        | RU890, RU940 and RU970 (colour)    |



## ETS Parametrization

The EIB-IR-controller needs only a physical address.

To select a physical address, just select a BCU1-bus coupler in the ETS (for example serial bus coupler or universal bus coupler for timers).



## **Parametrization software for telepilot**

Part of delivery of the telepilot is a version of the original parametrization software of the manufacturer. But also newer version of that manufacturer software can be used.

In addition, part of delivery is the software „IRGEN“ to parametrize the group addresses, EIS-types and values.

## **Installation of IRGen**

1. Start the program prontoedit2\_0.exe in the directory d:\eib ir fb\prontoedit\ (if „d“ is your CD-rom drive). Take attention to the instructions of the manufacturers installation program.
2. Copy prontoini.exe into the same directory as the ProntoEdit.
3. Start Prontoini.exe and set „developer mode“.
4. Copy the files "IRGEN.EXE", "IRGENKEY.DLL" and "IRGEN.INI" from d:\eib ir fb\irgen\ into the directory of ProntoEdit.

Steps 1 – 3 are only needed if you have no other version of the manufacturer's software tool.

### **Options**

If you want to use 2-step group addresses, set "GADual" in "IRGEN.INI" to "1". Use a standard text editor.

[SETTINGS]

GADual=1

## **Using IRGen**

You have to enter the group address in the upper part of the window. In the next field you have to select the EIS type of the address. In the last input field you have to enter the value you want to write to the address. If you want the value to be written repeatedly until the user is releasing the button on the IR control, you have to enable the "telegram repetition" option.



For example:

If you want to write the value "1" to the binary address "0/0/1", you have to enter the following values:

Groupaddress: "0/0/1"  
EIS type: "0010: Switch"  
Value: "1"  
Telegram rep.: "No"

After you have defined the desired telegram, simply press the "Std. Pronto: Create IR code" button. In case you are using a Pronto NG remote control, press the button "Pronto NG: Create IR code" instead.

Now the ProntoEdit code will be displayed and automatically send to the clipboard as well.

Now you can use the ProntoEdit application to set the new code to a control button (double-clicking the button, etc.), if you are using the V2 version of the ProntoEdit software you can also try the automatic <F5> mode: move you mouse cursor over the ProntoEdit button, and hit the <F5> key. Now the IRGen software will try to do all necessary steps to enter the displayed IR code into the button properties.

Please note: if you have a different version of the ProntoEDIT software, this automatic import may fail. In such a case you have to use the Windows clipboard to copy/paste the IR code definition.

After you have parametrized all the ProntoEdit buttons/controls you want to use, you can download your project to the remote control.