IRTrans external transmitters

General

All IRTrans Devices allow to connect exernal transmitters. They are either connected using a MiniDIN8 socket (USB, RS232, Translator, Mediacontroller) or a 3.5 mm phone plug (all ethernet devices). All devices allow to control the external trasmitter independently from the internal ones: The transmitters can either be enabled or disabled using the device settings or they can be addressed when an IR Code is sent.The independent control of multiple external transmitters is only possible using a LAN Controller or a LAN or PoE Device with multiple outputs.

Stick-on Minitransmitters

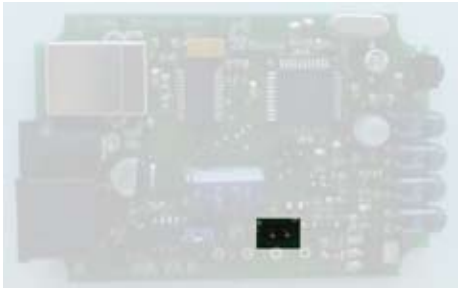
The stick-on mini transmitters allow direct control of multiple devices that are near each other. Please note the following tips:

- To avoid stray IR the transmitter have (departing from the printed notes) a black, nontransparent back cover. **Therefore they will only work correctly if the piece of paper covering the adhesive film on the front is removed !**
- The transmitter have got a range of max. 20-30 cm. They should be sticked directly over the IR receiver of the device that is controlled.
- Independent control of the transmitter is only possible for the one way or special two way transmitters for the IRTrans LAN devices with 2X option. These transmitters can be identified by the stereo plug.
- The cables of the stick-on transmitters can be extended to a length of max. 5m (15 ft).

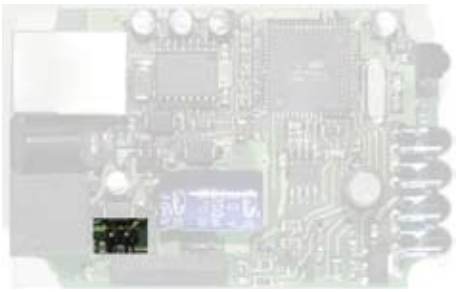
High Power Transmitters ("IR Blasters")

The High Power Transmitters have got the same range as the internal transmitters of the IRTrans devices. They are available in a special version for HF (455kHz) Codes with white LEDs. High Power Transmitters can be connected to all IRTrans modules. The cable of the High Power Transmitters should not be extended. When they are used the supplied jumper has to be installed in the IRTrans device. The following pictures show how and where to connect the jumper. Important: The jumper shall not be used together with the stick-on mini transmitters !

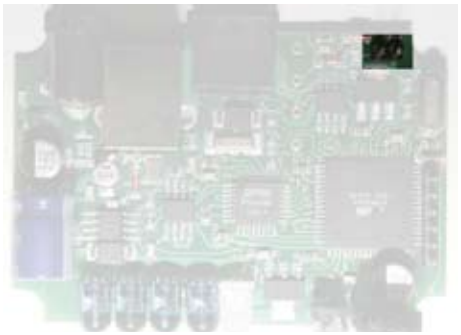
USB / Busmodule



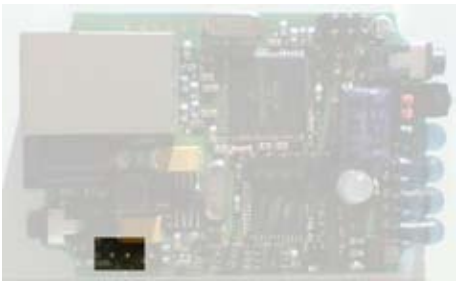
RS232 / Medicacontroller



Translator



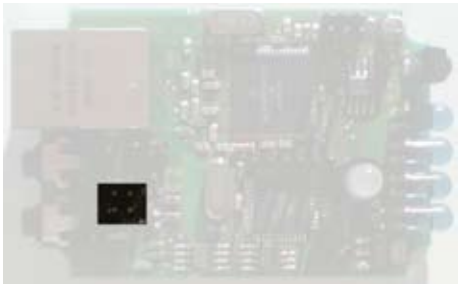
LAN Module



PoE Module

Upper jumper = upper output

Lower jumper = lower output



LAN Controller

One jumper for each IR output (1-4)

LAN Controller XL

One jumper for each IR output (1-8)

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IRTrans external receivers

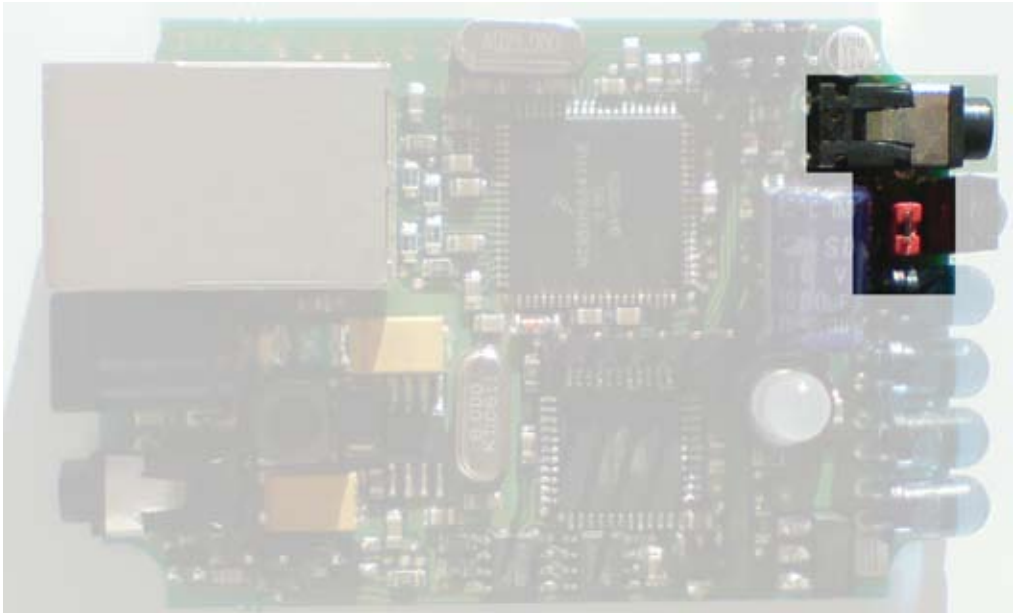
External receivers allow to use different receivers than the ones integrated with the devices (e.g. with a different carrier frequency or plasma shielded). Furthermore they allow to hide away the IRTrans box while only the very tiny receiver is visible. IRTrans LAN devices with hardware version >= 2.2, IRTrans LAN Controller XL, LAN Controller XXL, RS232 / Mediacontroller versions >= 3.8, LAN IO and Translator XL devices do have connectors for the external receivers. Please note the following tips when using them:

- Only one receiver can be used at a time. If the external receiver is used the internal one has to be switched off. That is done with a jumper or via the IRTrans Software. Software selection is supported for the following devices:
  - IRTrans Ethernet / IRDB with version >= 2.3
  - IRTrans RS232 and Mediacontroller version >= 3.8
  - IRTrans LAN Controller XXL 19”
  - IRTrans LAN IO
  - IRTrans Translator XL
- If the internal receiver is not disabled problems might result receiving IR signals.
- The correct receiver type (Standard or 455kHz or 455kHz plasma shielded) has to be entered into the device settings of the IRTrans device (using the GUI Client). Plasma shielded 38kHz receivers do not need to be configured.
- **The external receivers have to be connected to the correct socket. For the LAN Controller XL these are the two 3,5 mm sockets on the front of the device. For the LAN devices the socket is between the internal IR Transmitters and the builtin IR Receiver opposite of the LAN Connector.**

The following pictures shows the sockets / connectors and the needed jumper settings:

IRTrans LAN device V2.2

The external receiver has to be connected to the socket visible on the right. The red jumper next to it has to be removed if an external receiver is used.

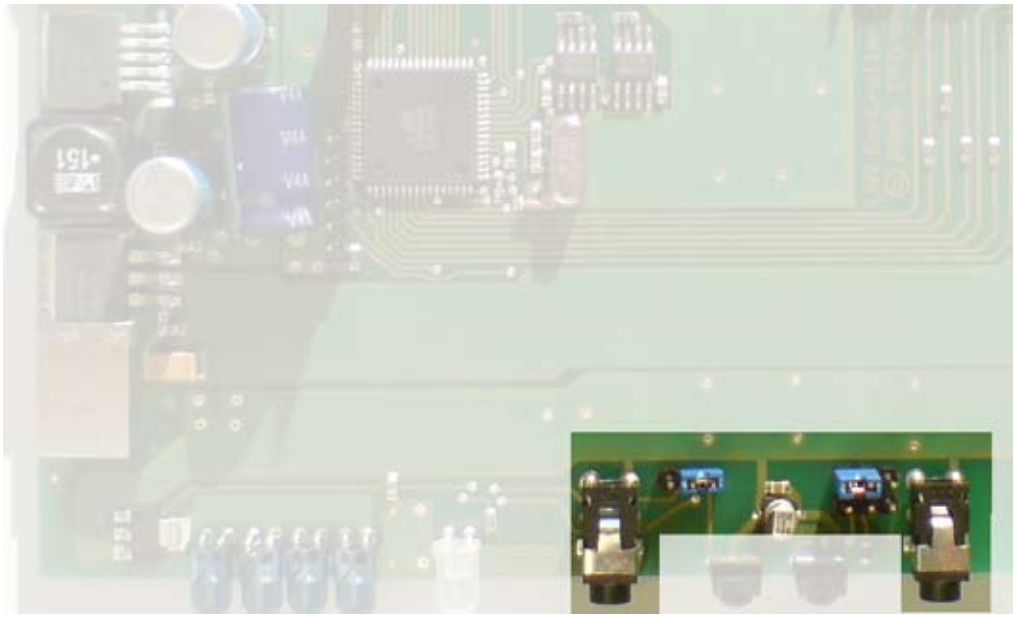


IRTrans LAN Controller XL

The LAN Controller XL has got 2 inputs for external receivers. Both connectors can be used for all types of IRTrans IR Receivers.

The left input is used for receiver 1. To use it the jumper behind the socket has to be placed on the two outer / left pins.

The right input is used for receiver 2. Here the jumper has to be plaved on the two outer / right pins.



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