

# IRTrans Active-X Control

The IRTrans Active-X Control allows to control the IRTrans Systems through all applications that allow the usage of Active-X Components. Examples are Visual Basic, Visual C, .Net, and also the MS Office Products that all include VB Script. The main idea of the plugin is to create a communication layer between client and server that hides all protocol details. Therefore we strongly recommend to use the Active-X Control for all software projects that have to control the IRTrans server.

Currently the following functions are supported:

- Get the Plugin Version
- Connect with the server
- Send IR Commands
- Receive IR Commands
- Learn IR Commands

These are the calls for the Plugin:

## ***IRTrans.Version***

Gives back the version of the Active-X plugin.

## ***IRTrans.ServerIP***

Sets the IP Adresse of the IRTrans server. Default is „localhost“. The correct adress has to be set before the connection request is activated. Either an adress or a hostname can be used.

## ***IRTrans.Connect***

Connects to the IRTrans server. Triggers one of the following events:

- ***IRTrans\_Connected ()***: Connection was established.
- ***IRTrans\_ConnectError (msg as String, Error as Integer)***: There was an error while connecting to the server.

## ***IRTrans.SendIR (remote as String,command as String[,address as long])***

Sends an IR Command (remote-command). The optional parameter „address“ allows to use an address mask to directly address one or more IRTrans modules in an IRTrans network. One of the following events will be triggered:

- ***IRTrans\_CommandReady ()***: Command was sent.
- ***IRTrans\_Error (msg as String, nestatuts as Integer, Statuslevel as Integer)***: There was an error when sending the command. Details are in the errorcodes/message.

## ***IRTrans.LearnIR (remote as String,command as String[,timeout as integer])***

The command in the remote control will be learned. The optional timeout parameter (in ms) controls how long the server waits for the command to be learned. The default is 10s. One of the following events will be triggered:

- ***IRTrans\_CommandReady ()***: Command was learned.
- ***IRTrans\_Error (msg as String, nestatuts as Integer, Statuslevel as Integer)***: There was an error while learning the command.

## ***IR Receive***

Each time an IR Command is received, the event „IRTrans\_Receive“ is triggered. The following parameters will be used: ***remote as String, command as String, Data as String***. These parameters allow to identify the command.