

Loxone -> Samsung TV

Serial communications via WiFi TCP/RS232 converter:

Hardware:

Samsung TV

RS232 via mini jack connector on the back of the TV (Service) port

Global Caché's iTach

TCP/IP to Serial (RS232) converter

Loxone

Virtual Output component is used in the Loxone program, to send via TCP port 4999

Samsung Hex commands via iTach to the Samsung TV

Detail about Global Caché iTach TCP/RS232 converter

Port 4998 is for configuration purpose. Via Telnet, commands can be send to iTach

Port 4999 is Serial port 1

Port 5000 is Serial port 2

... and so on

Via Telnet change the settings of the Serial Port to communicate with the TV:

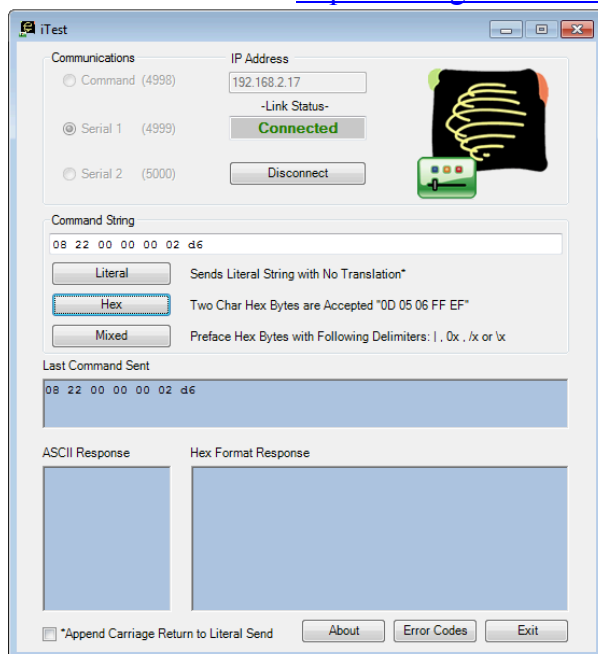
C:/>telnet 192.168.x.x 4998

Command: -> Set_SERIAL,1:1,9600,FLOW_NONE,PARITY_NO

I recall the command has to be case sensitive.

Testing commands via iTach directly:

Test GUI for window: <http://www.globalcache.com/files/software/iTest.zip>



Use HEX and disable “append Carriage Return” for commands

Only for “TV ON” enable “append Carriage Return” for commands

Format of command to be used in this test GUI: e.g. 08 22 0a 00 05 00 c7 use “Hex”

Samsung TV commands:

TV On: \x08\x22\x00\x00\x00\x02\xd6\r

TV Off: \x08\x22\x00\x00\x00\x01\xd5

HDMI1: \x08\x22\x0a\x00\x05\x00\xc7

HDMI 2 : \x08\x22\x0a\x00\x05\x01\xc6

TV Tuner: \x08\x22\x0a\x00\x00\x00\xcc

Not tested so far:

Volume Up : \x08\x22\x01\x00\x01\x00\xd4

Volume Down : \x08\x22\x01\x00\x02\x00\xd3

Mute Toggle : \x08\x22\x02\x00\x00\x00\xd4

Speaker On : \x08\x22\x0c\x06\x00\x00\xc4

Speaker Off : \x08\x22\x0c\x06\x00\x01\xc3

HDMI 3 : \x08\x22\x0a\x00\x05\x02\xc5

HDMI 4 : \x08\x22\x0a\x00\x05\x03\xc4

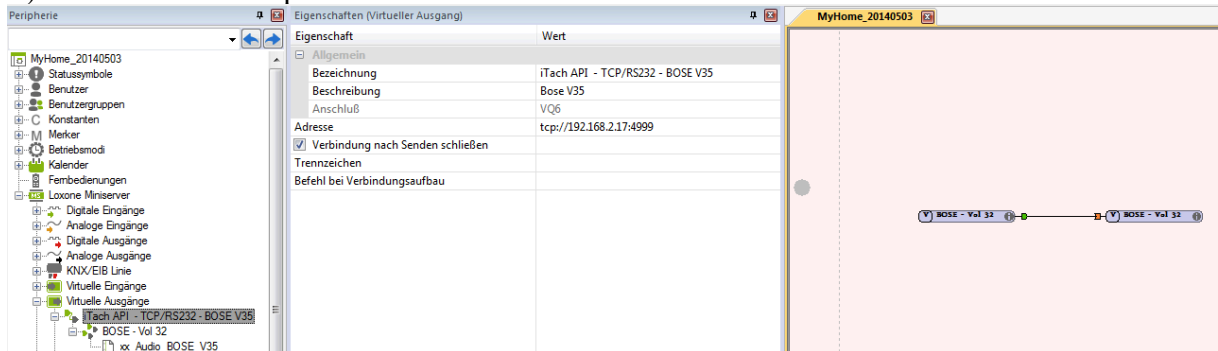
Loxone Config

!!! Works with Loxone Config 7.x.x and 8.1.x... but **NOT** with 8.0.x !!!

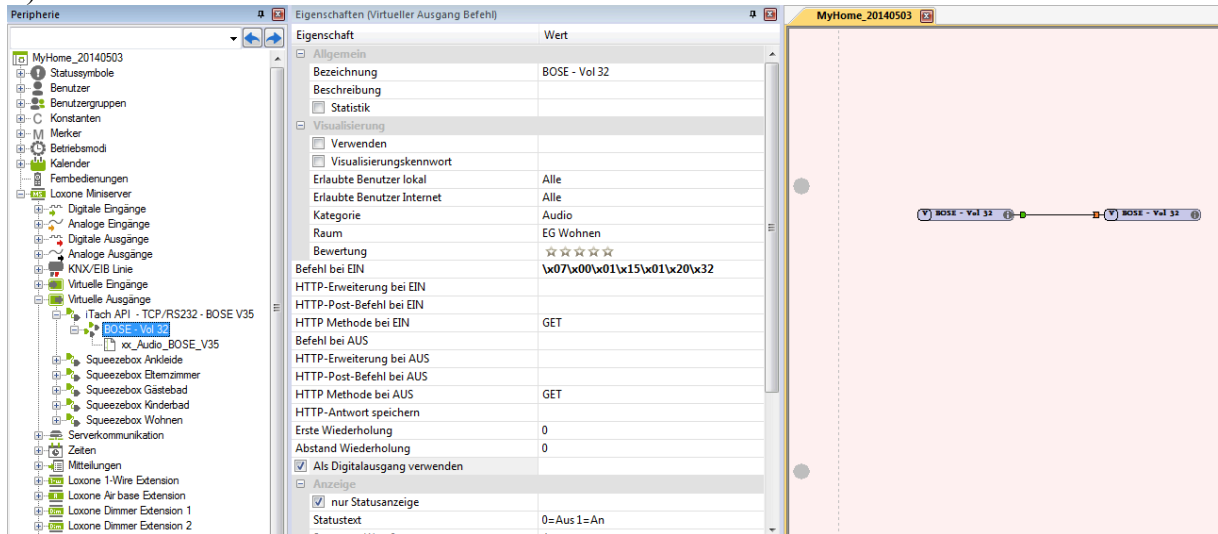
This is a know bug by Loxone within the Virtual Output that has issues with the value 0.

This is an old Config example for Bose, but the Loxone Config part is the same for Samsung TV, beside the HEX commands that are different.

1.) Create Virtual Output:



2.) Create Virtual Command:



Command under “Befehl ein” requires in Loxone the following format:

Don't forget for only TV ON to add \r

Every 2 digits hex number needs to start with \x

Cabel RS232 - For Bose and Samsung:

