

Quickstart

This is a quickstart guide for programming the CTG-IP/KNX available at <u>www.comm-tec.de</u>.

Notes:

- The CTG-IP/KNX allows only one simultaneous IP connection, this means having the controller and a software simultaneous connected does not work.
- The gateway has a build in filter table. Only group addresses which are listed in this filter can pass the gateway, everything else will be deleted!!(see page 2 of this document)
- The filtertable can't be retrieved from the gateway.

Communication parameters:

CTG-IP/KNX	
Port: 10002	

Frameformat: <STX><command><ETX>

<STX> = 02 hex (0x02) <ETX> = 03 hex (0x03) <command> = ASCII commands

Commands:

uppercase W is for Writing uppercase R is for Reading

Samples:

0x02W10/5/7=10x03	Writes the value 1 to the group address 10/5/7
0x02W1/65/77=1000x03	Writes the value 100 to the group address 10/65/77
0x02R10/5/70x03	Request the value of the group address 10/5/7

Feedback:

Cylic data, confirmation of a send command (only Echo, if it is turned on) A>10/5/7=1

When doing readrequests:

A@10/5/70=192

When EIB-Bus is busy:

Try to read 3 times B@01/0/203 You can make a message bus is busy, but it is useless. -@01/0/203 no answer massive EIB Problems, call the EIB technician





CTG-IP/KNX Gateway Protocol

Quickstart

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bertragen

Übertragen

Setting the Filtertable and communication with the gateway



a) First set the Interface parameter

b) Press the Green arrow for connecting to the Gateway

c) type a ? and <Return> in the text field here. If you are connected you get a list of commands from the gateway, which shows everything is working properly.

d) You can test the commands from the first page for reading and writing here

Setting the Filtertable

- Set the option for Echo (1)
- Press the transmitt button (6)
- Enter the group adress you want to read or programm in the fiels (2)
- Choose the correct Datatype of the variable(3)
- Press the button (4) for accepting your selection
- Repeat the last 3 steps until all your needed adresses are entered
- If you have entered all needed adresses send them to the gateway by pressing button (5)
- For later use save the content of the filtertable in a textsheet (7). This is optional not needed

NOTE:

If your Media control system is reconfiguring the filtertable by itself. You do not need to manually set the filtertable.

OH : RTS/CTS Handshake ON : Telegrammnummerierung OR : Lesen von gesperrten Gruppenadressen D OS : Quelladresse an Host senden OV : Dialoghinweise Г OX : Hexadezimale Adresswerte OQ : Lesetelegramme an Host senden DW : "Bitte warten"-Meldung Physikalische Adresse P:PA2Physikalische Adresse: 0 . 0 0 Gruppenadross-Einstellungel GA: 1 / 4 / 100

dientechnik-Gateway Konfiguration

Echo von eigenen Telegrammen

Allaemeine Einstellungen

QD : Dezimalpunkt

UG . Sprache Deutsch

Format:	1: 1 bis 6 Bit	Dezimal		-	
Empfang:	E: Empfang freigegeben 🗾 3				
Übernehmen					
	En	fernen	Alle entfernen	~4	
Liste:	GA	Empfang	Format	\Box	Speichern
	01/4/100	E	5: 1 Byte ohne Vorzeic.	. X	Laden
				7	Importieren

Sample

What you need from a EIB/KNX programmer to set up your Gateway:

Address	Туре	Description	Parameters	Read or write
1 / 4 / 100	1 Bit	Lamp 1	0 – off 1- on	write
1 / 1 / 103	4 Bit	Lamp 1	Dimmer	write
1 / 4 / 102	1 Byte	Lamp 1 get value absolut	0-255	read
1 / 4 / 101	1 Byte	Lamp 1 set value absolut	0 - 255	write



