



Crestron International: CG-EIB IO

This module takes care of the communication with CG-EIB gateway with minimum firmware version 4.1

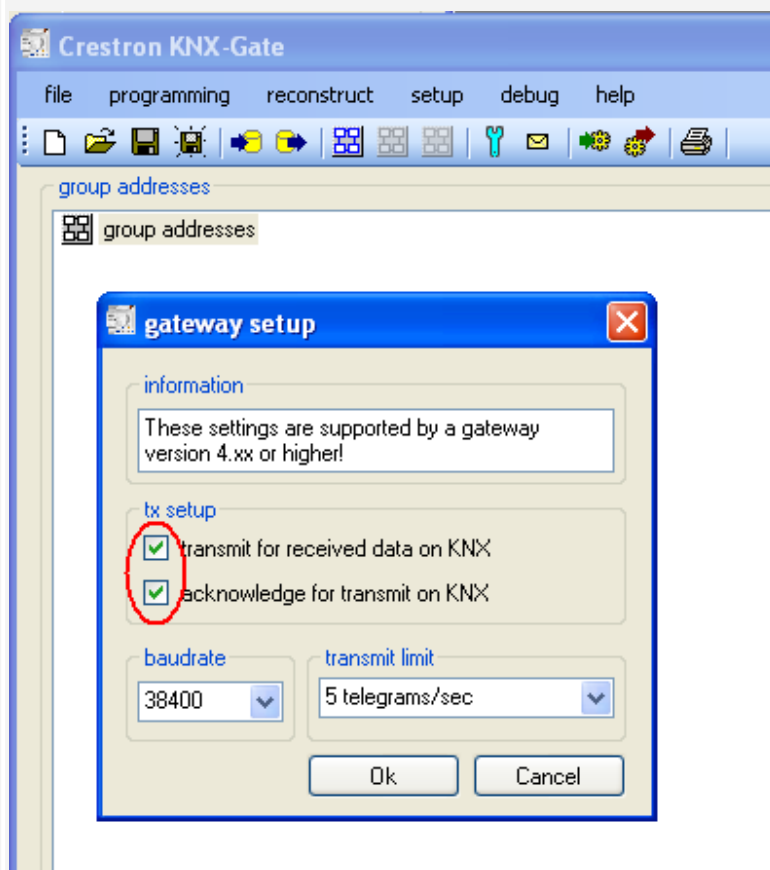
GENERAL INFORMATION

SIMPLWINDOWS NAME:	CG-EIB IO V4.1.umc
CATEGORY:	Device Interface
VERSION:	V4.1
SUMMARY:	This module takes care of the communication with CG-EIB gateway with minimum firmware version 4.1

GENERAL NOTES:

Since the release of the CG-EIB's new firmware (4.xx) it's no longer needed to poll the CG-EIB for changes. The new firmware will handle this polling itself and report any changes directly and automatically to the Crestron processor.

To use this function, in the "Crestron KNX-Gate" software go to "setup" – "gateway setup" and check both the "transmit for received data" and "acknowledge for transmit" checkboxes.



Since polling the CG-EIB for changes is no longer needed because of this option in

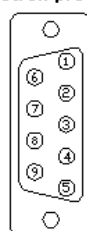


	<p>the new firmware, we revised the existing CG-EIB macro. All modules in the new macro are suffixed by V4.x to clearly make a difference between previously written modules.</p> <p>Note:</p> <ul style="list-style-type: none"> -The old macro will still work on the new firmware, but it will constantly poll the CG-EIB which is unnecessary. -The new V4.x macro will work on the old firmware, but since there's no module performing an automatic poll, all polling will need to be done manually by means of the "CG-EIB Poll V4.0.umc" module <p>The macro consists of the following modules:</p> <p>* IO module (CG-EIB IO V4.1.umc):</p> <p>This module needs to be inserted once in every program that includes the CG-EIB as it is handling all communication going to and coming back from the CG-EIB.</p> <p>* Group Address modules:</p> <p>For every group address on the EIB-bus that needs to be controlled, one of these modules has to be inserted. There's one group address module for every EIB-data type. The group address modules are:</p> <ul style="list-style-type: none"> - CG-EIB Switch V4.0.umc - CG-EIB Dimmer V4.0.umc - CG-EIB 1Byte V4.0.umc - CG-EIB 2Byte V4.1.umc - CG-EIB 14Byte V4.1.umc <p>* Poll module (CG-EIB Poll V4.0.umc):</p> <p>This module can be used to manually poll a certain group address for its status. We do not recommend to use this module as the new firmware eliminated the need for polling the CG-EIB.</p>
CRESTRON HARDWARE REQUIRED:	2-Series processor with com port
SETUP OF CRESTRON HARDWARE:	<p>The demo program was written for a PRO2 with TPS-15</p> <p>The CG-EIB is controlled over RS-232.</p> <p>The old CG-EIB firmware only communicated at baud rate 9600. The new firmware allows you to choose between 9600 and 38400. Crestron strongly advises to use the 38400 baud rate. To set up this baud rate, in the "Crestron KNX-Gate" software go to "setup" – "gateway setup" and pick the desired baud rate.</p>
VENDOR FIRMWARE:	V4.1
VENDOR SETUP:	CG-EIB connected to the EIB bus



CABLE DIAGRAM:

Crestron processor



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CG-EIB



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CONTROL:

Enable	D	Hold high to enable communication with the CG-EIB
Rx	S	To be connected to the Rx of the com port
EIB-Cmd	S	To be connected to the EIB_Cmd output of all Group Address modules in the program

FEEDBACK:

Tx	S	To be connected to the Tx of the com port
EIB_Fb	S	To be connected to the EIB_Fb input of all Group Address modules in the program.

TESTING:

OPS USED FOR TESTING:	V3.155.1143
COMPILER USED FOR TESTING:	V2.08.26
SAMPLE PROGRAM:	CG-EIB V4.1 Demo Program
REVISION HISTORY:	CG-EIB V4.0 modules: Created for the new CG-EIB firmware 4.xx CG-EIB V4.1 modules: Fixes and improvements