



CLBUS

ClickOn Bus Installation Software

User Guide

V1.3.6

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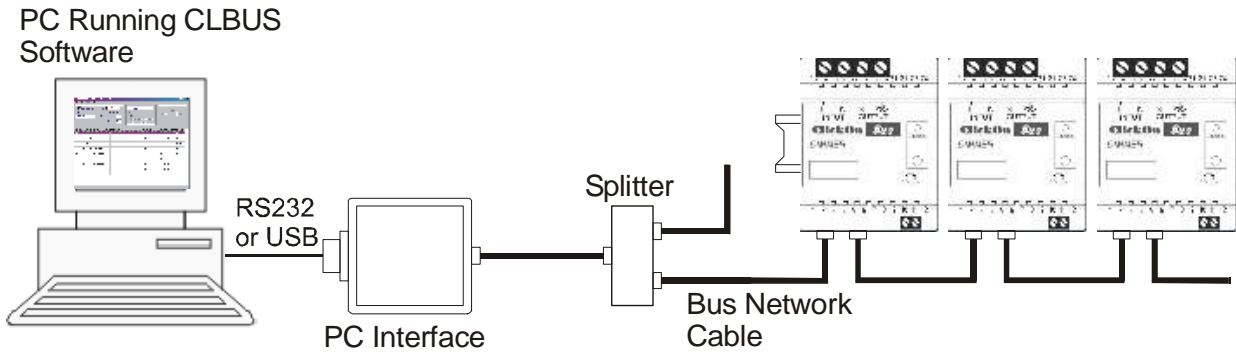
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1. INTRODUCTION

The ClickOn Bus Installation Software (CLBUS) is used to configure and maintain all user programmable parameters of a ClickOn Bus Network Installation.

Typical Configuration



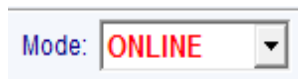
2. REQUIREMENTS

1. Computer running Windows XP®, Windows Vista® or Windows 7® operating system with CLBUS V1.3.6 software installed
2. Fully operational ClickOn Bus Network installation
3. ClickOn Bus PC Interface (CB-232-10, CB-USB-10) or Interface Translator (CB-IFT-20)
4. For CB-232-10 interface an available RS232 port on the computer or a USB to Serial adaptor
5. For CB-USB-10 interface an available USB port on the computer
6. For CB-IFT-20 interface an available USB port or TCP/IP network connection

3. MODES OF OPERATION

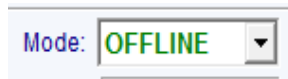
The CLBUS software has two modes of operation: OFFLINE and ONLINE, selectable by the MODE dropdown box on the main form.

3.1. ONLINE Mode



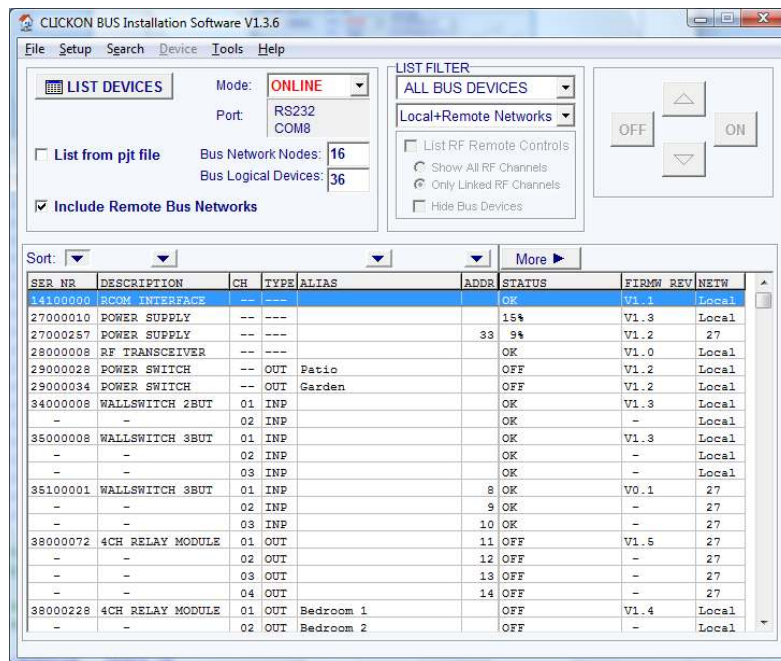
Used when the computer is connected to a 'live' ClickOn Bus network via a ClickOn Bus PC Interface. All changes are made directly to the ClickOn Bus devices.

3.2. OFFLINE Mode



The computer does not have to be connected to the Bus network. Changes are saved to a project file on the computer. This allows changes to be made offsite and restored to the devices at a later stage.

4. MAIN FORM FUNCTIONS

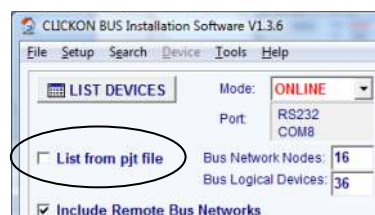


4.1. LIST DEVICES



Reads and lists all ClickOn Bus devices from a network (ONLINE mode) or project file (OFFLINE mode).

4.2. LIST FROM PJT FILE



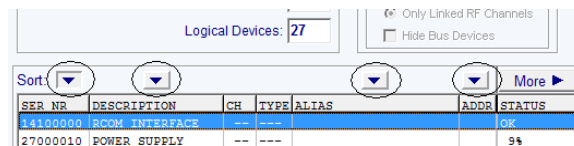
When **List from pjt file** is checked in ONLINE mode, the list devices will be done from a project file instead of the bus network. All subsequent operations will however be performed directly on the bus network.

4.3. INCLUDE REMOTE BUS NETWORKS



When **Include Remote Bus Networks** is checked the device list will include bus devices from any remote Bus networks connected to the local bus network via Bus Bridge devices.

4.4. SORT BUTTONS



Allow listed devices to be sorted by Serial number, Description, Alias or Address.

4.5. MODE



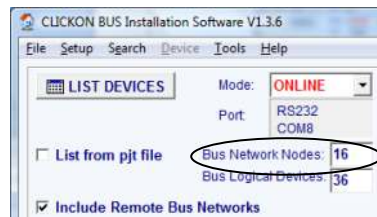
Selects between Online and Offline mode.

4.6. PORT



Indicates the current communications port being used for the Bus PC Interface in the Online mode. Use **Setup, Communication Port Setup** to change the port setting.

4.7. BUS NETWORK NODES



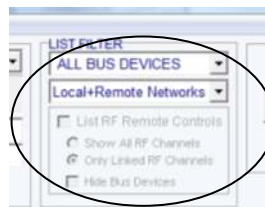
Number of Bus Network Nodes. A Bus Network Node is a physical bus device connected to a Bus network ex. a 4 channel Relay Module will count as one Network Node.

4.8. BUS LOGICAL DEVICES



Number of Bus Logical Devices. Bus Logical Devices are the devices listed in the device list. Each channel on a multi channel device is treated as a separate device ex. Each 4 channel Relay Module will count as four Logical Devices.

4.9. LIST FILTER



Allow only certain device types or devices from a specific bus network to be listed.

4.10. MORE BUTTON



Change the list columns to one of the following views:

STATUS, FIRMWARE REV, NETW

MODE

FREE/MAX LINKS, LOCAL PROG

NOTES

4.11. LIST WINDOW

SER NR	DESCRIPTION	CH	TYPE	ALIAS	ADDR	STATUS	FIRMWARE REV	NETW
11000000	CLICKON INTERFACE	--	---			OK	VI.3	Local
27000010	POWER SUPPLY	--	---		15*	OK	VI.3	Local
27000287	POWER SUPPLY	--	---		33	OK	VI.3	Local
28000008	RF TRANSCIVER	--	---			OK	VI.3	Local
29000028	POWER SWITCH	--	OUT	Patio		OFF	VI.2	Local
29000034	POWER SWITCH	--	OUT	Garden		OFF	VI.2	Local
34000008	WALLSWITCH 2BUT	01	INP			OK	VI.3	Local
-	-	02	INP			OK	-	Local
35000008	WALLSWITCH 3BUT	01	INP			OK	VI.3	Local
-	-	02	INP			OK	-	Local
-	-	03	INP			OK	-	Local
36100001	WALLSWITCH 3BUT	01	INP		8	OK	VO.1	27
-	-	02	INP		9	OK	-	27
-	-	03	INP		10	OK	-	27
38000072	4CH RELAY MODULE	01	OUT		11	OFF	VI.5	27
-	-	02	OUT		12	OFF	-	27
-	-	03	OUT		13	OFF	-	27
-	-	04	OUT		14	OFF	-	27
38000228	4CH RELAY MODULE	01	OUT	Bedroom 1		OFF	VI.4	Local
-	-	02	OUT	Bedroom 2		OFF	-	Local

Displays a list of the currently connected devices (Online mode) or devices contained in a project file (Offline mode).

SER NR: Each ClickOn device has a unique 8 digit factory programmed serial number (Usually displayed on the outside of the device)

DESCRIPTION: Short description of the device type

CH: Channel number of the device in case of a multi channel device type (ex. 4 channel Relay Module). Note: For multi channel devices each channel is treated as a separate device in the list and can be programmed individually.

TYPE: Type of device. OUT: Output device ex. Dimmer or Power Switch. INP: Input device ex. Wallswitch.

ALIAS: User assignable name for a specific device ex. LIVING ROOM LIGHT

STATUS (Online mode): Current status of the device ex. ON, OFF, 40% or OK. (device type specific)

ADDR: User assignable address number. Used by third party interfaces such as HAI Omni controllers (see *DEVICE ALIAS*)

FREE/MAX LINKS (only applicable to output devices): Number of free spaces in the device link table / Max number of links that can be made to this device.

MODE: Currently selected device mode (Device type specific)

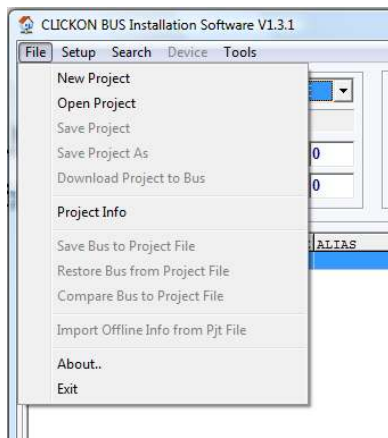
FIRMWARE REV: Current firmware revision of the device.

NETW: Shows the network address of the bus network that the device is connected to.

LOCAL PROG: Local programming enabled or disabled (see *LOCAL PROGRAMMING*)

5. MAIN MENU FUNCTIONS

5.1. File



New Project: Start a new project (offline mode)

Open Project: Open an existing project (offline mode)

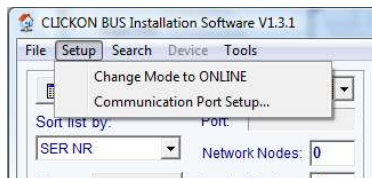
Save Project: Save the existing project (offline mode)

Download Project to Bus: Download the current offline project to a Bus network (computer must be connected to the network)

Save Bus to Project File: Save the current Bus Network to a project file (online mode)

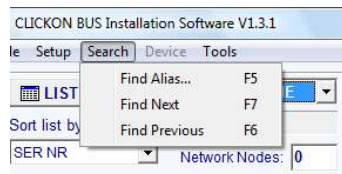
Restore Bus from Project File: Restore the current Bus Network from a previously saved project file (online mode)

5.2. Setup



Program setup: Online/Offline selection and Communication port setup for Bus PC Interface.

5.3. Search

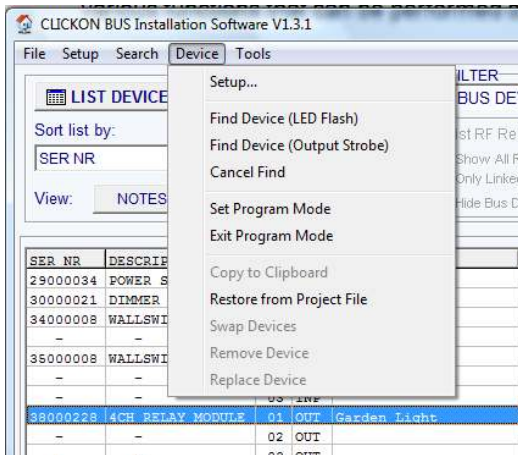


Search the current device list for a specific device Alias.

5.4. Device

This function is only available after selecting (clicking) a device on the device list. It contains various functions that can be performed on the currently selected device.

Note: Most functions can also be selected by right clicking on a device.



Setup: Open device Setup Form (see *DEVICE SETUP*)

Find Device (LED Flash): Locate the physical device location of a device by flashing the LED on the device (online mode)

Find Device (OUTPUT Strobe): Locate a device by switching the device output on and off (only applicable to output devices)

Set Program Mode: Set a output device in local program mode in order to manually link an input device to the output device (same as pressing and holding the button on the output device)

Copy to Clipboard: Copy the current input device serial number to the clipboard (used with RCOMCEN Remote Commander setup software)

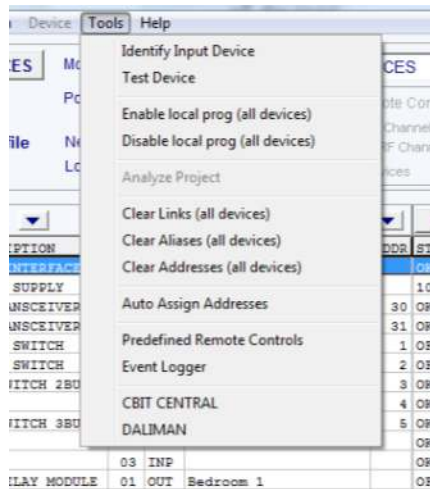
Restore From Project File: Restore only the settings and links for the selected device from a previously saved project file (online mode)

Swap Devices: Swap the alias, settings and links of two devices (offline mode)

Remove Device: Remove (delete) a device from the current project (offline mode)

Replace Device: Replace a device with a new device. This in effect only changes the serial number of a device (offline mode). (see *REPLACING A FAULTY DEVICE*)

5.5. **Tools**



Identify Input Device: Identify an installed input device by pressing the button on the device (ex. A Wallswitch) (online mode)

Test Device: Allows testing (ON, OFF, DIMMING and LEVEL control) of the selected or all bus devices (online mode).

Enable/Disable Local Programming: Enables or disables local programming for all connected or listed devices (see *LOCAL PROGRAMMING*)

Analyze Project: Generates a text based report of the current project (offline mode)

Clear Links/Aliases/Addresses: Clear all the links, aliases or addresses of the all currently connected or listed devices.

Auto Assign Addresses: Automatically assign addresses to all devices

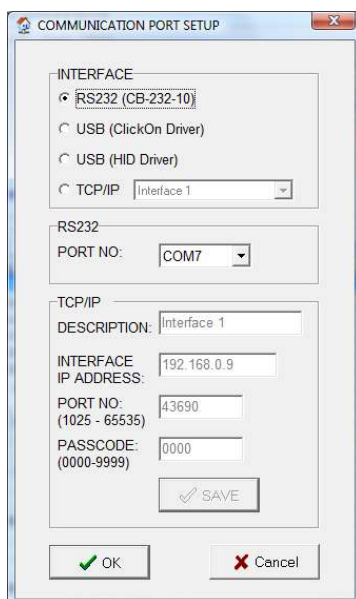
Predefined Remote Controls: Allows RF Remote Controls to be added and managed (see *PREDEFINED REMOTE CONTROLS*)

CBIT CENTRAL: Runs CBIT CENTRAL Software (for use with a Bus Interface Translator)

DALIMAN: Runs Dali Configuration Software (for use with a Bus Dali Gateway)

6. **COMMUNICATION PORT SETUP**

From the main menu select **Setup, Communication Port Setup.**



Select the INTERFACE type to be used:

- RS232: CB-232-10 RS232 Programming Interface
- USB (ClickOn): CB-USB-10 USB Programming Interface
- USB(HID): CB-IFT-20 Interface Translator (USB connection)
- TCP/IP: CB-IFT-20 Interface Translator (TCPIP network connection)

For RS232 connection select the RS232 PORT no to be used.

For TCP/IP connection select one of the 10 connection setups and enter the appropriate parameters in the TCP/IP window. Select SAVE to save the TCP/IP connection setup.

7. DEVICE SETUP

Double click on any device in the device list or select **Device, Setup** from the main menu to open the Device Setup form.

Select the **Setup Tab** on the form

7.1. DEVICE ALIAS

Note: With exception of the Device Address the alias is not used in any way by the devices themselves and is only for use by the system installer to easily identify and manage devices.

Type in the desired device alias into the Device Alias field or select a predefined alias from the dropdown list. The maximum alias length is 16 characters (14 if Device Address enabled).

The second dropdown list allows a predefined postfix to be added to the alias ex. KITCHEN 'LIGHT'. This list is fixed and cannot be edited. 'Device no' can be used to distinguish between different devices with the same alias.

If the device is to be used with a third party system such as HAI, enable the 'Device Address' checkbox and assign a unique address to the device.

Click the **SET** button to save any changes to the device.

7.2. LOCAL PROGRAMMING

Local programming allows input devices to be linked to output devices without using the CLBUS software. Enable or disable this function here for this device.

7.3. NOTES

Notes allows additional information about the device to be saved (only in offline mode)

7.4. DEVICE SPECIFIC SETTINGS

The bottom half of the Setup form (Setup TAB selected) contains settings specific to a certain device type such as minimum and maximum light levels for a dimmer or button mode for a wallswitch. See the device documentation for more info on the various options.

SET: Click this button to update a device with the selected settings.

SET DEFAULTS: Restore a device to its factory default settings.

APPLY TO ALL DEVICES OFF THIS TYPE: Check to apply the settings to all similar devices.

APPLY TO ALL CHANNELS ON THIS DEVICE: Check to apply the settings to all channels of the selected device in case of a multi channel device.

8. DEVICE LINKS

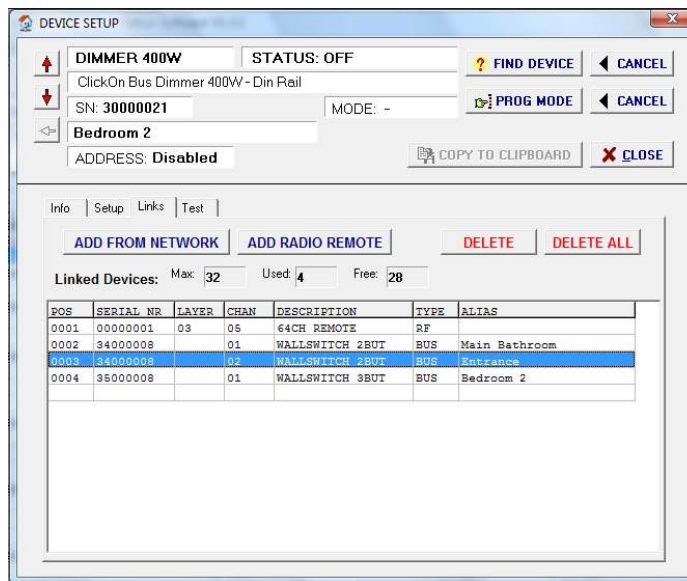
Device Links are used to link input and output devices to each other ex. Having a certain wallswitch button control a specific dimmer device.

All device links are stored in the Output Device (Dimmer, Power Switch, Relay Module etc)

Double click on any device in the device list or select **Device, Setup** from the main menu to open the Device Setup form.

Select the **Links Tab** on the setup form

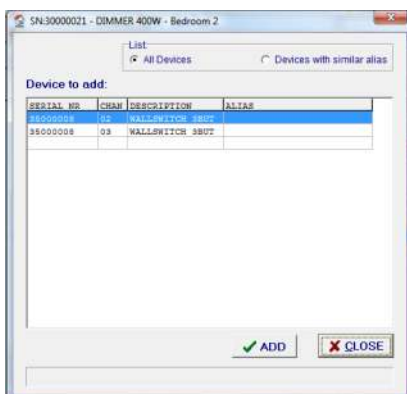
The list will show the currently linked devices for the selected device. Double click on a link to jump to the linked device.



8.1. ADDING A LINK

Two options are available when adding a link to a device:

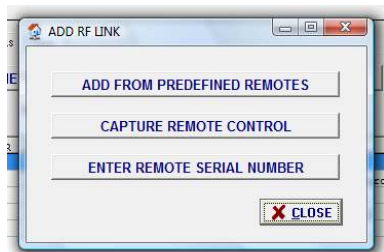
8.1.1. ADD FROM NETWORK



Use to add a Bus device. A list of available bus devices that can be linked to the selected device will be displayed. If the selected device is an output device, only input devices will be shown and vice versa. Click on the device to be linked and click the add button.

8.1.2. ADD RADIO REMOTE

Use to add a RF Remote control (only applicable to output devices).



Three options are available here:

1. Add by using Predefined Remote Controls

See *PREDEFINED REMOTE CONTROLS*

2. Add by Capturing a remote control (Online mode only)

If a Bus Transceiver is connected to the network, the remote control can be captured via the Bus Transceiver and linked to the device. Note: Set the Bus Transceiver in the 'Open Mode' (Receive All RF Remote Controls).

3. Add by Entering the remote control serial number

If the remote control serial number is known, this option can be used to enter the serial number and selecting the desired channel to be linked to the output device.



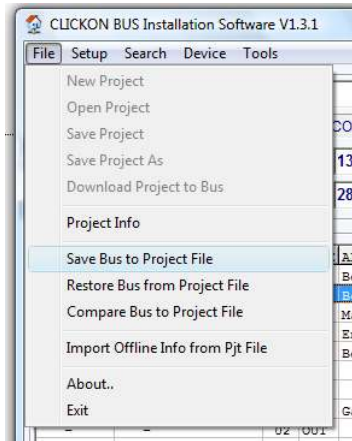
8.2. DELETING A LINK

Select the link to be deleted from the link list and click **DELETE** to remove this link or click **DELETE ALL** to remove all links for this device.

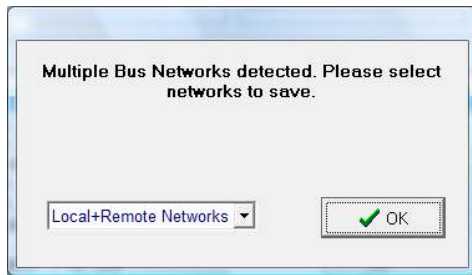
9. MAINTAINING A CLICKON BUS NETWORK

9.1. BACKUP BUS NETWORK

This function allows for all settings and links in a completed installation to be saved to a project file.



In Online Mode: select **File, Save Bus to Project File** from the main menu.



For multiple bus networks the network or networks to be saved can be selected.

9.2. RESTORE BUS NETWORK

Allows a Bus network to be restored from a saved or changed project file.

In Online Mode: select **File, Restore Bus from Project File** from the main menu.

or

In Offline Mode: select **File, Download Project to Bus** from the main menu.



In each case three checkboxes will be presented allowing only Aliases, Links or Settings to be restored.



For multiple bus networks the network or networks to be restored can be selected.

9.3. RESTORING A DEVICE

Use to restore only a single device from a saved or changed project file.

Select the device from the device list then select **Device, Restore from Project File** from the main menu (*see also REPLACING A FAULTY DEVICE*)

9.4. REPLACING A FAULTY DEVICE

First save the current bus network to a project file (*see BACKUP BUS NETWORK*) or use a previously saved project.

Open the project in the **OFFLINE** mode and click **LIST DEVICES**.

Select the device to be replaced from the listed devices (note: for a multi channel device, channel number 1 must be selected).

From the main menu select **Device, Replace Device**.

Select a new device from the dropdown list and enter the serial number of the new device. Click **REPLACE**.

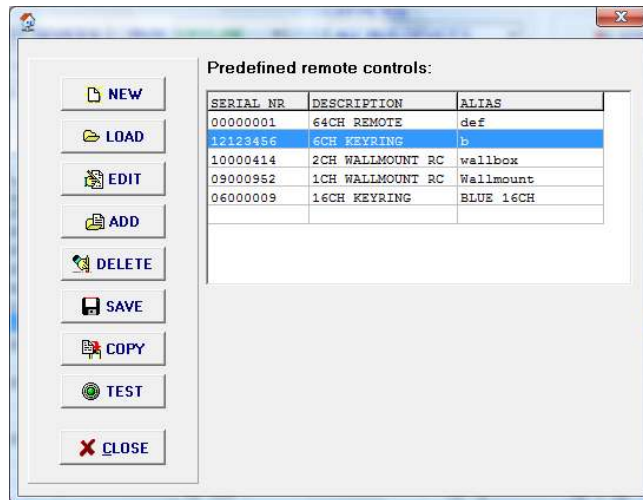


Save the project file.

Install the new device into the Bus Network.

Return to the **ONLINE** mode and click **LIST DEVICES**. Select the newly installed device and select **Device, Restore from Project File** from the main menu.

10. PREDEFINED REMOTE CONTROLS



Predefined Remote Controls allows for RF Remote controls to be defined, managed and saved for later use.

All currently loaded remote info is automatically saved as part of the project file.

Remote control info can also be saved as a separate file (.RCF file) for use in different projects.

From the main menu, select **Tools, Predefined Remote Controls**.

NEW: Clears existing info and start with a new list

LOAD: Load info from a Remote Control file (.RCF) or import info from a Project file (.PJT)

EDIT: Change the properties of one of the selected remote controls from the list

ADD: Add a new remote

DELETE: Delete the selected remote from the list

SAVE: Save the remote info to a .RCF file

COPY: Copy a remote control serial number and channel selection to the clipboard for use in the RCOMCEN software.

TEST: Emulate the remote control by sending the RF packet to all bus devices. An option is also available to transmit the packet via the selected Bus RF Transceiver.