

# ControlMaster controllers and indicators

## PC configuration backup tool

## Upload / download procedures

Measurement made easy



## 1 Introduction

A ControlMaster's configuration (both controllers and indicators) can be backed up to a PC and restored to a device using the ControlMaster PC configuration backup tool.

The PC configuration backup tool is a utility used in conjunction with a USB Irda adaptor (part no. B12895) and is available as part of a kit (see Section 2.1) or can be downloaded from [www.abb.com/recorders](http://www.abb.com/recorders).

## 2 Items required

### 2.1 PC configuration backup tool kit

Description	Part no.
USB Irda adaptor	B12895
Information sheet	INF14/162-EN

Table 2.1 PC configuration backup tool CM30/0714

### 3 PC configuration backup tool installation

1. Copy the PC configuration backup tool installation file to a local drive, unzip it (if necessary) and run 'Setup.exe'.
2. Follow the on-screen instructions to complete installation.

#### 3.1 USB Irda adaptor driver installation

The driver for the USB Irda adaptor should install automatically when the adaptor is connected to a PC. If it does not install, follow the manufacturer's instructions supplied with the adaptor.

##### 3.1.1 ControlMaster Irda port location

Fig. 3.1 shows the location of each ControlMaster's Irda port and the recommended distance between the adaptor and instrument.

1. Connect the USB Irda adaptor to a PC and align it with the Irda port on the front of the ControlMaster.

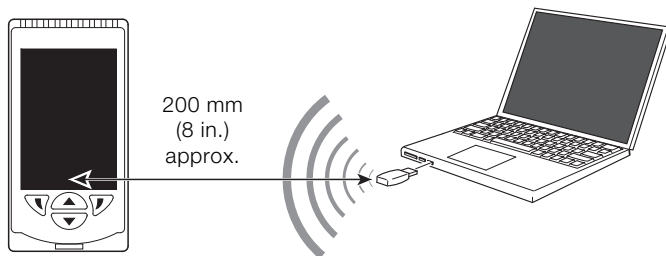
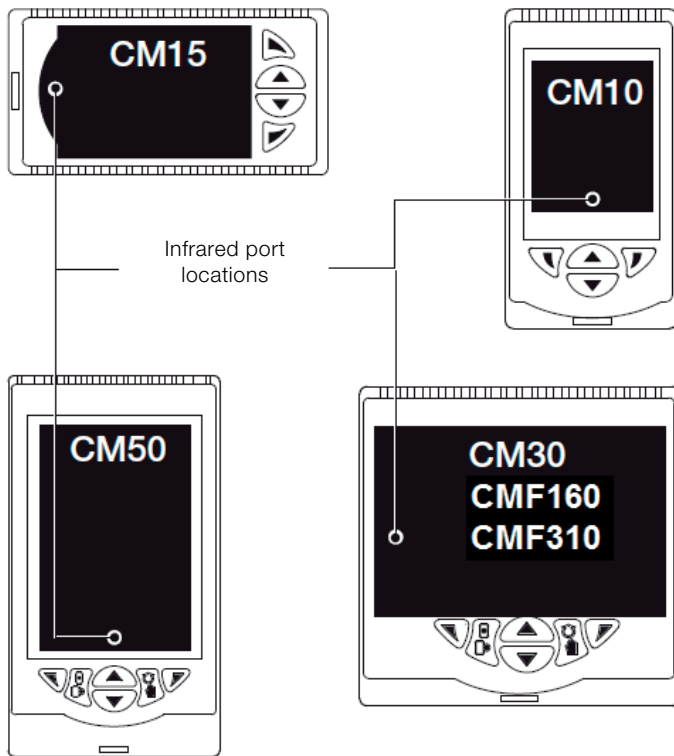
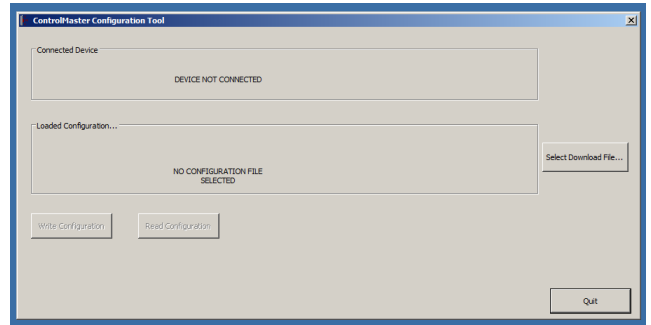


Fig. 3.1 Irda port location on ControlMaster instruments

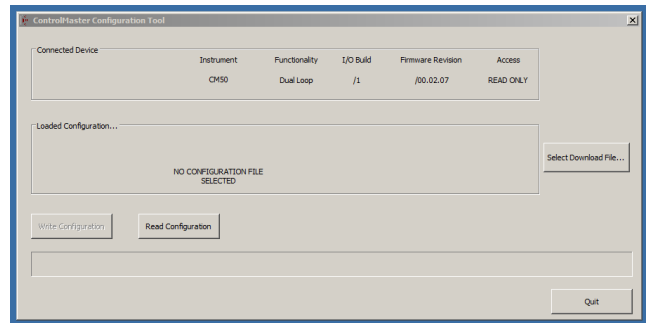
### 4 Backing up (downloading) a configuration

1. Plug the USB Irda Adaptor into the PC and run the ControlMaster PC configuration backup tool. The *ControlMaster Configuration Tool* window is displayed:



2. At the controller / indicator, press either the left hand or right hand key to display the *Access Level* page.
3. Select *Advanced* (enter any passwords required).
4. Select the *Device Setup* page.
5. Use the up / down keys to select *IrDA configuration*.
6. Select *Config. Description* to enter a name / ID for the configuration file (if required) – this is a unique identifier saved as part of the configuration file only.
7. Select *Connect*.

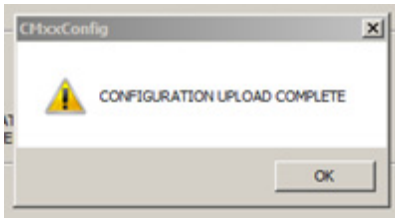
Align the USB Irda Adaptor with the Irda port on the ControlMaster to establish a connection – see Fig. 3.1. When a connection is established the *Connected Device* group box is populated (as shown below):



8. Select the *Read configuration* button.

- You are prompted to enter a file name and to select a save location for the configuration file.

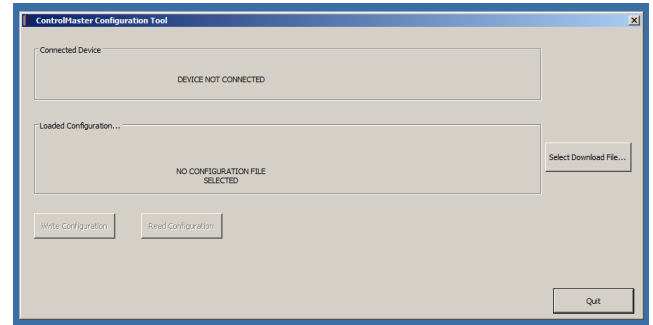
The configuration is now read from the instrument. A progress bar at the bottom of the dialog indicates progress (approximate time is 10 seconds). The following prompt is displayed if the transfer is successful:



- If the transfer is not successful, attempt to read the configuration again and proceed to step 12.
- If the problem persists:
  - confirm the Irda connection is active by checking the ControlMaster and application status messages
  - ensure a clear line-of-sight between the USB Irda adaptor and the ControlMaster
 If both conditions are met, return to step 7.
- Exit the *ControlMaster Configuration Tool*.
- Press *Exit* on the ControlMaster's *IrDA configuration* page.
- The ControlMaster will restart.

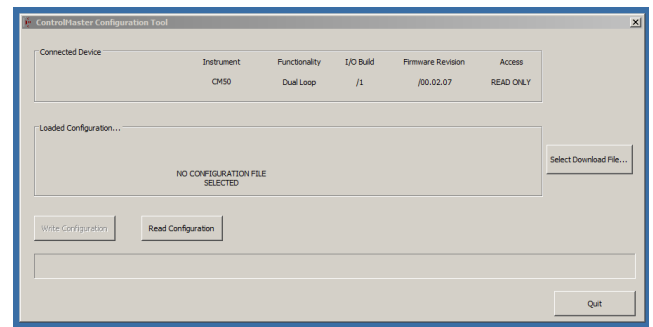
## 5 Restoring (uploading) a configuration

- Plug the USB Irda Adaptor into the PC and run the PC configuration backup tool. The *ControlMaster Configuration Tool* window is displayed:

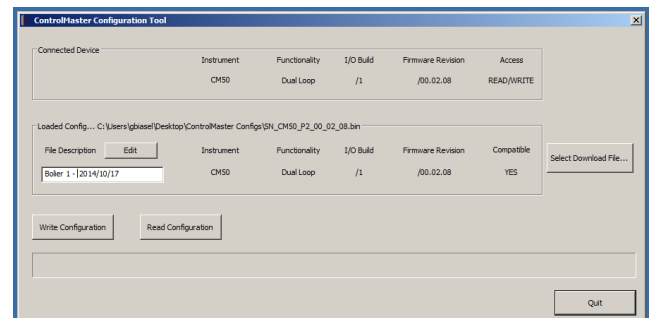


- At the controller / indicator, press either the left hand or right hand key to display the *Access Level* page.
- Select *Advanced* (enter any passwords required).
- Select the *Device Setup* page.
- Use the up / down keys to select *IrDA configuration*.
- Select *Connect*.

Align the USB Irda adaptor with the Irda port on the ControlMaster to establish a connection – see Fig. 3.1. When a connection is established the *Connected Device* group box is populated (as shown below):



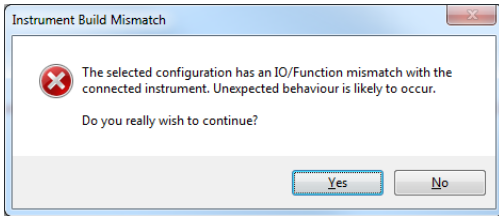
- Click the *Select Download* button.
- Select the file to be downloaded. When the required file has been selected, the *Loaded Configuration* group is populated with information about the file to be downloaded, including compatibility with the connected instrument (Yes / No).



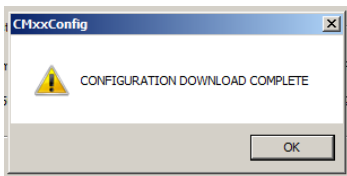
The *File Description* text field can be edited (if required). This edited information is stored as part of the instrument's configuration. (Once uploaded, configuration details can be viewed on the instrument at the *Configuration Level / Device Setup / IrDA Configuration / Config. Description* menu.)

- Transfer the configuration to the instrument by clicking the *Write Configuration* button.

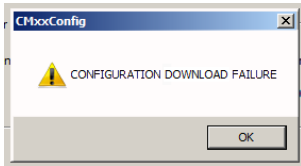
If the functionality and / or I/O of the instrument does not match the configuration to be transferred, the following prompt is displayed providing the option to continue or cancel the upload:



- Click *OK* to write the configuration to the instrument. A progress bar at the bottom of the dialog indicates progress (approximate time is 10 seconds). The following prompt is displayed if the transfer is successful:



The following prompt is displayed if the transfer fails:



- If the transfer is not successful, attempt to transfer the configuration again and proceed to step 12.
  - confirm the Irda connection is active by checking the ControlMaster and application status messages
  - ensure a clear line-of-sight between the USB Irda adaptor and the ControlMasterIf both conditions are met, return to step 9.
- Exit the *ControlMaster Configuration Tool*.
- Press *Exit* on the ControlMaster's *IrDA configuration* page.
- The ControlMaster will restart.

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