



Operation & Installation Manual
Web-Server II 1598
Rev 1.0

Web-Server II 1598

S/W V2.1.x for

FT1020G3/FT128





DOCUMENT HISTORY

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1.0	3/12/14	Revised and modified based on Panasonic operating instructions MEW01742 for V2.1.x. Add Brooks Quick Start section	V2.1.x	Edwin Thein	Anis Shenouda

Table of Contents

1	INTRODUCTION.....	7
1.1	OVERVIEW	7
1.2	DEFINITIONS / EXPLANATIONS	7
2	GENERAL DESCRIPTION.....	9
2.1	WEB-SERVER II, 1598	9
3	QUICK START.....	11
3.1	SOFTWARE INSTALLATION REQUIRED	11
3.2	WALK-THRU GUIDE	11
3.3	HOW TO FORMAT WEB-SERVER 1598 FOR MAKING A CLEAN INSTALL OR UPGRADE	25
3.3.1	<i>Connections for Formatting via RJ-45 COM port.....</i>	<i>25</i>
3.3.1.1	Walk-Thru: Formatting/Upgrading the Web-server (Program Flash Image Method)	25
3.3.2	<i>Connections for formatting/upgrading via PLC COM. RS232C port.....</i>	<i>27</i>
3.3.2.1	Walk-Thru: Formatting the Web-server (Serial Gang Program Flash Image Method).....	27
4	FUNCTIONS.....	28
4.1	USER LOGIN	28
4.2	USER LOGOUT	29
4.3	SILENCE PC BUZZER (SOUND OFF).....	29
4.4	STATUS	30
4.4.1	<i>Fire Alarm</i>	<i>31</i>
4.4.2	<i>Pre-warning/Co-incidence/Quiet/Delayed Alarm</i>	<i>31</i>
4.4.3	<i>Fault</i>	<i>32</i>
4.4.4	<i>Disablement.....</i>	<i>32</i>
4.4.4.1	Zone or Zone-Address Disablement.....	32
4.4.4.2	Output Disablement	32
4.4.4.3	Output type Disablement	32
4.4.4.4	Interlocking (output) Disablement	33
4.4.4.5	COM-loop/Input Disablement.....	33
4.4.4.6	Other (Alert annunciation) Disablement.....	33
4.4.5	<i>Technical Warning</i>	<i>33</i>
4.4.6	<i>Interlocking</i>	<i>33</i>
4.4.7	<i>Door Open</i>	<i>33</i>
4.4.8	<i>Zones in Test Mode</i>	<i>33</i>
4.4.9	<i>Service Signal</i>	<i>34</i>
4.4.10	<i>Output Activation.....</i>	<i>34</i>
4.4.11	<i>WEB Function Disablement (WEB Status).....</i>	<i>34</i>
4.4.12	<i>Communication Error</i>	<i>34</i>
4.5	EVENT LOG	35
4.5.1	<i>All Log.....</i>	<i>35</i>
4.5.2	<i>Alarm Log</i>	<i>35</i>
4.5.3	<i>Interlocking Log.....</i>	<i>35</i>
4.5.4	<i>General Log.....</i>	<i>35</i>
4.5.5	<i>WEB Log</i>	<i>35</i>
4.5.6	<i>Test Mode Alarm.....</i>	<i>35</i>
4.6	MAINTENANCE (WEB FUNCTION)	35
4.6.1	<i>Web Function.....</i>	<i>36</i>
4.6.1.1	All e-mail Function.....	36
4.6.1.2	E-mail Function	36
4.6.1.3	PC Buzzer Function.....	36

4.6.1.4	Gateway Function	36
4.6.1.5	FTP Function	37
4.6.1.6	TELNET Function.....	37
4.6.2	<i>Web Link</i>	37
4.7	BASIC INFORMATION.....	37
4.7.1	<i>(Username/Password)</i>	37
4.7.2	<i>E-mail Address</i>	37
4.8	CONTROL UNIT	38
4.8.1	<i>Control Unit Statistics (System Information)</i>	38
4.8.2	<i>Loop Statistics</i>	38
4.9	DETECTOR DIAGNOSTICS.....	38
4.9.1	<i>Detector List</i>	39
4.9.2	<i>Service List</i>	39
5	REMOTE OPERATIONS.....	40
5.1	DISABLEMENT OPERATIONS	40
5.1.1	<i>Zone</i>	41
5.1.2	<i>Zone-Address</i>	41
5.1.3	<i>Output</i>	41
5.1.3.1	Loop Unit Output	41
5.1.3.2	Voltage Output (S).....	41
5.1.3.3	Relay Output (R).....	41
5.1.3.4	Expansion Board Output.....	41
5.1.3.5	Interlocking Output	41
5.1.4	<i>Output type</i>	42
5.1.4.1	Control Output.....	42
5.1.4.2	Ventilation Output	42
5.1.4.3	Extinguishing Output	42
5.1.4.4	Interlocking Output	42
5.1.5	<i>Alarm Devices</i>	42
5.1.6	<i>Routing Equipment</i>	42
5.1.6.1	Fire Routing Equipment	42
5.1.6.2	Fault Routing Equipment	42
5.1.7	<i>Alert annunciation</i>	42
5.1.8	<i>COM-Loop / Zone Line Input</i>	42
5.1.8.1	COM-Loop.....	42
5.1.8.2	Zone Line Input	42
5.1.8.3	Zone Interface.....	42
5.2	ACTIVATION OPERATIONS	43
5.2.1	<i>Output</i>	43
5.2.1.1	Loop Unit Output	43
5.2.1.2	Voltage Output (S).....	43
5.2.1.3	Relay Output (R).....	43
5.2.1.4	Expansion Board Output.....	43
5.2.1.5	Interlocking Output	43
5.3	TEST OPERATIONS.....	43
5.3.1	<i>Zone Test</i>	44
5.3.2	<i>Alarm Devices</i>	44
5.4	MAINTENANCE OPERATIONS	44
5.4.1	<i>Set Calendar and Time</i>	44
5.4.2	<i>Synchronise</i>	44
5.4.3	<i>Silence Alarm Devices</i>	44
5.4.4	<i>Evacuate</i>	44

5.4.5	<i>Sensitive Fault Detection Mode</i>	44
5.4.6	<i>Calibrate Outputs</i>	45
5.4.7	<i>Close Fire Doors</i>	45
5.4.8	<i>Fire Drill Mode</i>	45
6	CONFIGURATION OF EBLWEB	46
6.1	WEB-SERVER	46
6.1.1	<i>General Information</i>	46
6.1.2	<i>Unit Information</i>	46
6.1.3	<i>Unit Settings</i>	46
6.1.3.1	IP Address Settings	46
6.1.3.2	DNS Settings	46
6.1.3.3	NTP Settings	47
6.1.3.4	Event Log	47
6.1.3.5	FTP/Telnet Access	47
6.1.4	<i>Browser Settings</i>	47
6.1.4.1	Project Name / Custom Text	48
6.1.4.2	Custom Logo	48
6.1.4.3	Web Link	48
6.1.4.4	Browser Access	49
6.1.4.5	SSL Certificate	49
6.1.4.5.1	Self-Issued	49
6.1.4.5.2	Vendor Issued	50
6.1.5	<i>Gateway / EBLNet Settings</i>	50
6.1.5.1	COM Port Settings	50
6.1.5.2	EBLTalk Settings	50
6.1.5.3	SIA Settings	50
6.1.5.4	Tateco Settings	50
6.1.5.5	MODBus Settings	50
6.1.5.6	EBLnet Settings	51
6.1.6	<i>Notification Settings</i>	51
6.1.6.1	SMTP Server	52
6.1.6.2	SMTP Authentication	52
6.1.6.3	E-mail	52
6.1.6.3.1	Fire Alarm / Pre-Warning e-mail	53
6.1.6.3.2	Disablement e-mail	54
6.1.6.3.3	Interlocking e-mail	54
6.1.6.3.4	Fault e-mail	54
6.1.6.3.5	Service / Contamination e-mail	54
6.1.6.3.6	Test Mode e-mail	55
6.1.6.3.7	Technical Warning e-mail	55
7	SOFTWARE AND CONFIGURATION	56
7.1	EBLWEB SOFTWARE PACKAGE	56
7.1.1	<i>Download</i>	56
7.2	EBLWEB CONFIGURATION DATA	57
7.2.1	<i>Download</i>	57
7.2.2	<i>Backup (Upload)</i>	57
7.3	SITE SPECIFIC DATA (SSD)	58
7.3.1	<i>Download via Configuration Data</i>	58
7.3.2	<i>Download via Download SSD for Control Units</i>	58
7.3.3	<i>Download via Individual Menu</i>	58
8	INSTALLATION / COMMISSIONING	59

8.1	LED INDICATORS	59
9	CONNECTION DIAGRAMS	60

Lists of Figures

Figure 1	PC is connected to an FT1020G3 system via Internet / an intranet (LAN) and the Web-server II, 1598.....	9
Figure 2	Web-server II, 1598 with connectors.....	10
Figure 3	EMII Filter on Web-server power cable	59
Figure 4	1598 WEB-SERVER II installed to FT1020G3	60

1 Introduction

1.1 Overview

The Web-server II operation and installation manual is a generic document for both FT1020G3 and FT128 panels. Hence, from hereon, where ever the term “Panel” is used, it is referred to either the FT1020G3 or FT128.

The Web-server II (1598) is a communications device where remote monitoring, interface to nurse call system, control¹ and maintenance are necessary for the control panel. The functions of the Web-server II is dependent on which software is downloaded as well as which configuration data is created and downloaded.

The software (EBLWeb) and configuration data are downloaded to the Web-server II via a commissioning tool, EBLWin (a PC program). The EBLWin is dependent on the Firetracker system and the EBL software version.

In previous versions, a separate software Configuration Tool (WebG3 or Web128) was required. In this current version, the Web-server configuration is done within **EBLWin V2.1.x** for both FT1020G3 and FT128.

For this to work, the Real-Time-Operating-System (RTOS) on the Web-server has to be upgraded to **RTOS Revision 1.51²** or higher³.

The configuration described in this manual has been tested with both **Windows XP** and **Windows 7** OS.

This document describes the following software:

EBLWeb V2.1.x⁴ for Web-server II 1598 (Hardware ver 1.1).

To create the configuration data, the EBLWin V2.1.0 or later configuration software must be used. It is also used to download both the configuration data (SSD-Site Specific Data) and the software for the Web-server II (1598).

The Web-server II is used in a FT1020G3 system with up to six units⁵ in a TOLON Network or in standalone FT128 / FT1020G3. It is to be connected to Internet / an intranet (LAN), to a Security Management system and/or as a Gateway.

NOTE: The first two digits of the software version for EBLWin and EBLWeb (e.g. version 2.1.x) must be matched.

1.2 Definitions / Explanations

Definitions / explanations / abbreviations / etc. frequently used or not explained elsewhere in the document.

¹ Although the Web-server II is capable of controlling the panel remotely, this is prohibited in some state regulations. Please check with your state regulations if this is permissible.

² Download from: http://www.beck-ipc.com/en/download/licence.asp?id=sc1x3_rtos_151&l=1

³ Upgrade the RTOS is required only for the older stock, new stock of 1598 will be loaded with the latest RTOS software.

⁴ On the date of printing this manual the EBLWeb software revision is V2.1.0

⁵ Only one Web-server is allowed to be installed in a FT1020G3.

Abbreviation	Description
C.I.E.	Control and indicating equipment (=control unit; C.U.)
C.U.	Control unit (=Control and indicating equipment)
S/W	Software
H/W	Hardware
Circular log / list	The log / list re-starts when it is "full". The first events will be overwritten, i.e. a circular log / list shows the xx latest events.
Straight log / list	The log / list stops when it is full and has to be erased before the logging can start again, i.e. a straight log shows the xx earliest events.
LAN	Local Area Network
SSD	Site Specific Data

2 General Description

The **Web-server II** (1598) can be used with one or more of the following functions:

1. As a Web-server for presentation of the actual FT1020G3 / FT128 status in a PC using the web browser **Microsoft Internet Explorer or Chrome**, via Internet or intranet (LAN). See page 28.
2. As a Web-server also for remote operation of an FT1020G3 / FT128 via encrypted and safe two-way communication (HTTPS). See Section 6.1.4.4 page 49.
3. As an e-mail client to send e-mails in case of special events (e.g. fire alarm, fault, etc.), see page 37 section 4.7.2 on E-mail Address. To set up, see section 3.2 step 22).
4. As a Gateway to a separate system, i.e. to transmit and present fire alarm information in another (PC) system. See section 3.2 step 21)
5. To connect the Firetracker system to a Security Management system via EBLnet (TCP/IP),

The Web-server II has to be configured and the EBLWeb software has to be downloaded via EBLWin 2.1.x. Figure 1 gives an example of how a networked FT1020G3 provides remote monitoring using the Web-server. In the case of the FT128, replace the FT1020G3 blocks with a single FT128 Panel.

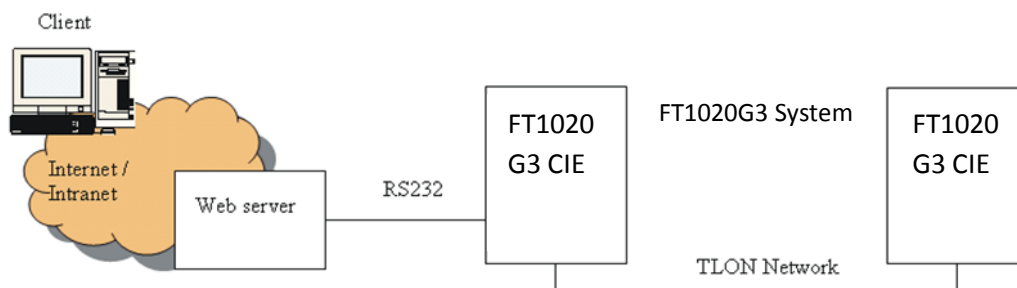


Figure 1 PC is connected to an FT1020G3 system via Internet / an intranet (LAN) and the Web-server II.

2.1 Web-server II, 1598

The Web-server II consists of a light grey plastic enclosure, which is vertically mounted on a DIN rail.⁶

⁶ A symmetric 35 mm DIN rail is fitted inside the panel when the Web-server is requested to be installed in FT1020G3 or FT128

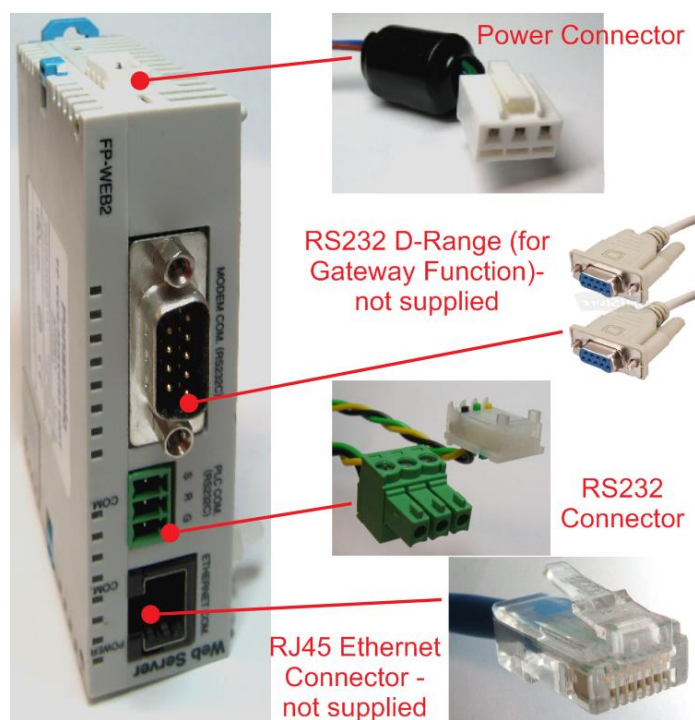


Figure 2 Web-server II, 1598 with connectors

The Web-server II has four interfaces as shown in Figure 2:

1. Power Connector (+24Vdc)
2. RS232 D-Range 9-pin (for Gateway function)
3. RS232 Connector (serial line for Web-Server)
4. RJ-45 Ethernet Connector (for LAN connection)


For connections and technical data, see Connection Diagram Section 9 Page 60.

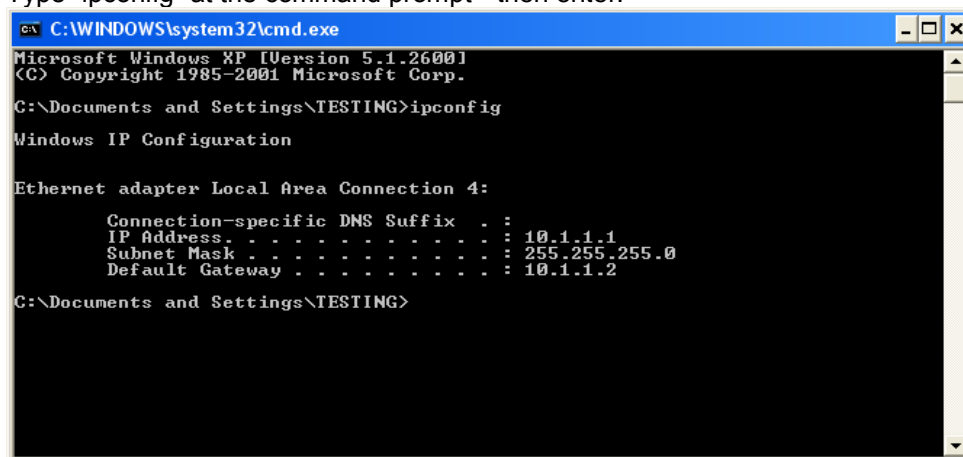
3 Quick Start

3.1 Software Installation Required

- ☐ EBLWin 2.1.x
- ☐ @CHIPTOOL (Chiptool_Install_V6.1.3.6.exe) can be downloaded from http://www.beck-ipc.com/en/download/licence.asp?id=chiptool_install&l=1
- ☐ EBLtalk terminal.exe⁷ (if Gateway function is used).

3.2 Walk-Thru Guide

- 1) Connect to respective Panel as shown in connection diagram Figure 4 page 60.
- 2) Connect between “MODEM COM. (RS232C)” port on the Web-server and computer/device if Gateway function is used.
- 3) Connection between laptop and the 1598 WEB-SERVER II with a CAT-5 LAN cable via the Ethernet RJ-45 COM port.
- 4) Obtain network parameters:
On Windows Start menu, click windows symbol +R then type “cmd” without quotes followed by enter key.
- 5) Type “ipconfig” at the command prompt ⁸ then enter:



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\TESTING>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection 4:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 10.1.1.1
    Subnet Mask . . . . .             : 255.255.255.0
    Default Gateway . . . . .         : 10.1.1.2

C:\Documents and Settings\TESTING>
```

- 6) Copy the IP Address, Subnet Mask, and Default gateway. All 3 must be made available.

Note:

You may need to ask your systems administrator for available and/or allowed IP addresses. The IP address for the Web-server will be derived from this.

For this walk-thru guide, the next available IP Address⁹ would be 10.1.1.3

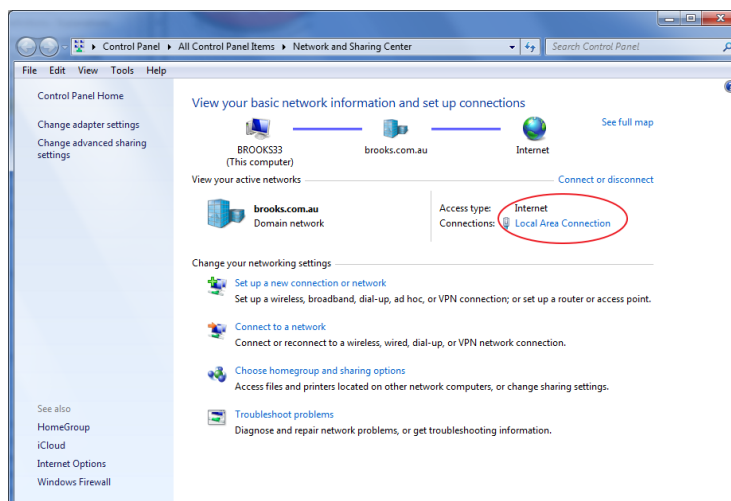
⁷ The software EBLtalk terminal.exe can be obtained from your nearest BROOKS office. The software is available in Brooks server [Z:\Technical Services\Products \(under construction\)\Analogue Addressable Systems\Webserver\Web Server Setup\Chiptool_Install_V6.1.3.6](Z:\Technical Services\Products (under construction)\Analogue Addressable Systems\Webserver\Web Server Setup\Chiptool_Install_V6.1.3.6)

⁸ The ipconfig at the command prompt is shown for Windows 7, it might be slightly different for Windows 8

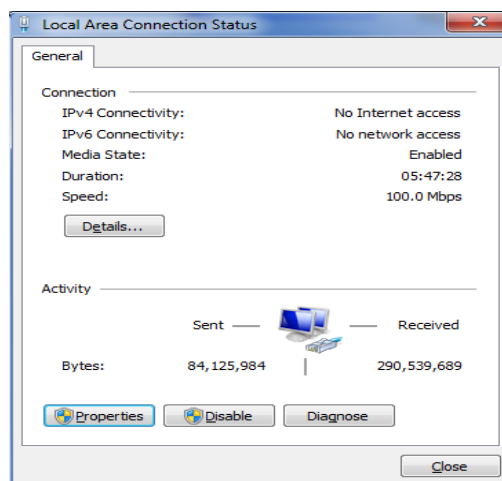
⁹ IP addresses starting with 192.168.x.x are private IP addresses and should not be used. 192.168.1.169 is the IP address set at delivery.

Follow steps 7-10 if you have to set IP addresses manually.

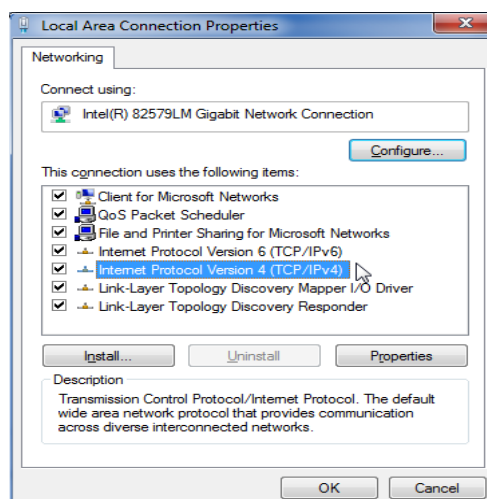
- 7) In Windows: Go to Control Panel>Network and Sharing Centre and click on Local Area Connection:



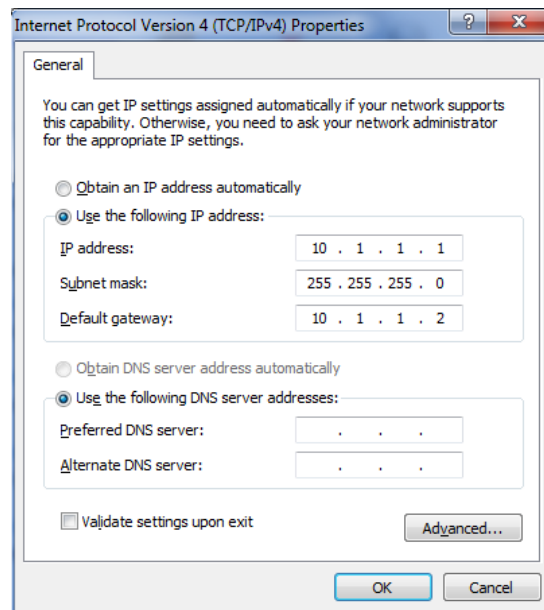
- 8) When the Local Area Connection Status dialog box opens, click on Properties:



- 9) In the Network tab under the "This connection uses the following items:" choose Internet Protocol Version 4 (TCP/IPv4) then click on Properties:



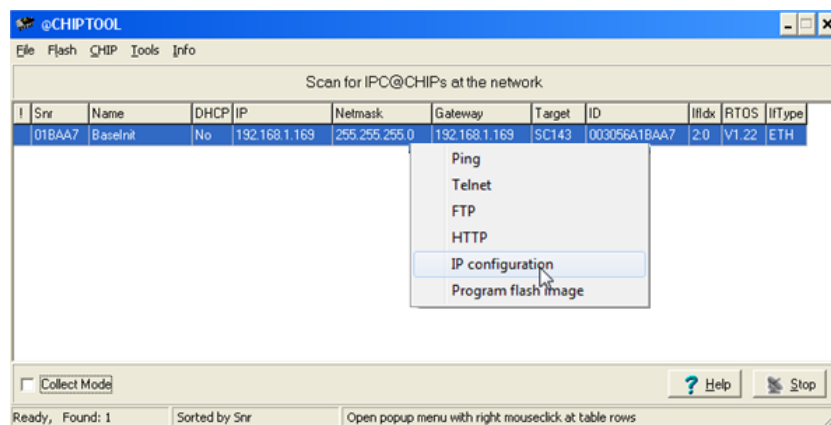
- 10) Click on the radial button for “Use the following IP address:” and type in the addresses (Note: the addresses here are for this example only). You should check with your systems administrator for these IP addresses):



Important:

If you are using your personal computer that is normally connected to the internet to perform this one-off configuration, **REMEMBER** to return to this dialog window and return the settings to “Obtain an IP address automatically”.

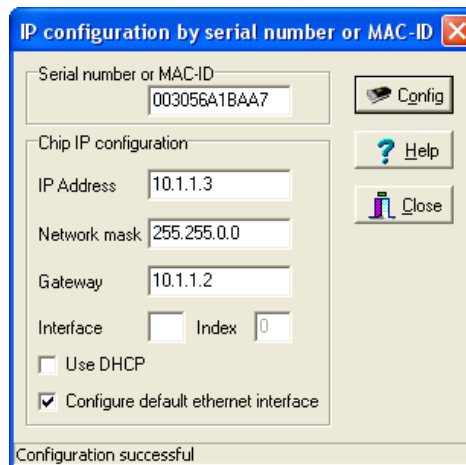
- 11) Run @CHIPTOOL to scan for the Web-server. It should show up with this window:



Note:

The IP Address, Subnet Mask, and Default gateway shown are reserved addresses at delivery. These have to be reconfigured. All Web-Servers should be upgraded with RTOS v1.7. See Section 3.3.1.1 for upgrading.

- 12) Right click on the selection and choose “IP Configuration” in the context menu, will bring up this dialog box:



IP configuration by serial number or MAC-ID

Serial number or MAC-ID: 003056A1BAA7

Chip IP configuration

IP Address: 10.1.1.3

Network mask: 255.255.0.0

Gateway: 10.1.1.2

Interface: [] Index: 0

☐ Use DHCP

☒ Configure default ethernet interface


Buttons: Config, Help, Close

Configuration successful

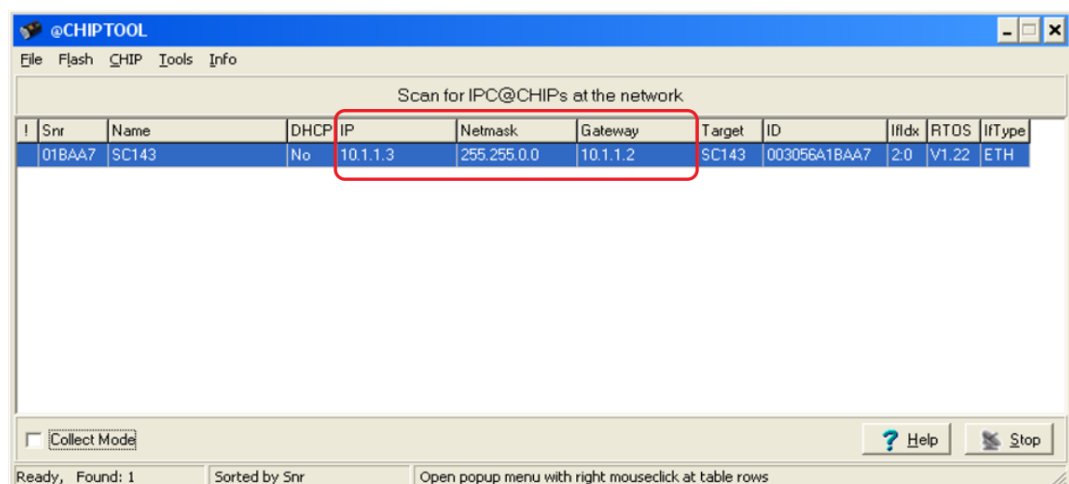
Note: Serial number or MAC-ID number will be different on yours, do not change this! Change ONLY settings for IP Address, Network Mask, and Gateway given by your Systems Administrator.

The IP address assigned for this example only is 10.1.1.3, Network mask 255.255.0.0, and Gateway 10.1.1.2. These will be different from yours.

Then set these accordingly:

- Leave the interface box blank and
- Check the box “Configure default Ethernet interface” and
- Click on the  button (This will start the configuration and you should see “Configuration successful” at the bottom of the dialog box when completed.

- 13) Check the main window on @CHIPTOOL, you should observe that the IP address, Netmask, and Gateway settings have changed according to your settings:



@CHIPTOOL

File Flash CHIP Tools Info

Scan for IPC@CHIPs at the network

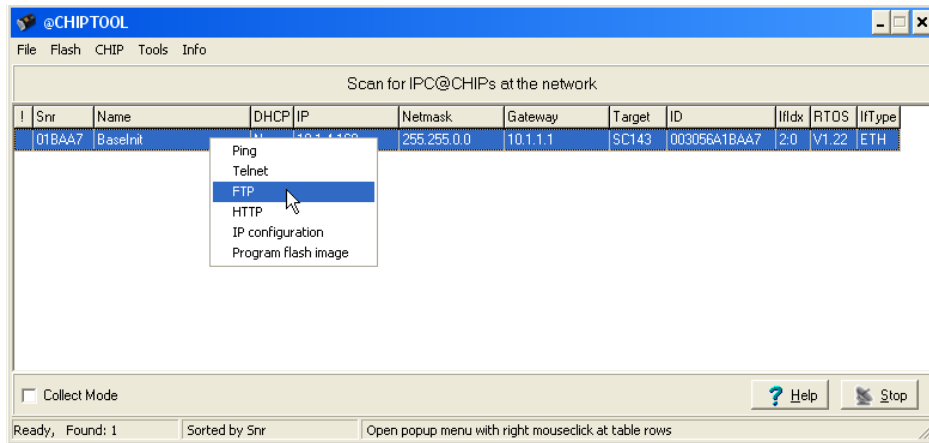
I	Snr	Name	DHCP	IP	Netmask	Gateway	Target	ID	IfIdx	RTOS	IfType
	01BAA7	SC143	No	10.1.1.3	255.255.0.0	10.1.1.2	SC143	003056A1BAA7	2-0	V1.22	ETH

☐ Collect Mode

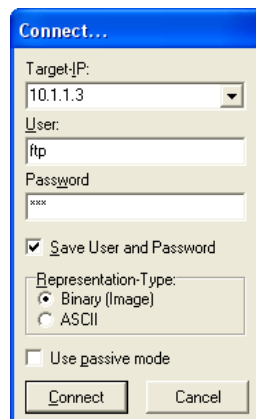
Buttons: Help, Stop

Ready, Found: 1 | Sorted by Snr | Open popup menu with right mouseclick at table rows

- 14) Right click on the selected Web-server (here named “Baselnit”) then choose FTP from the context menu.



This will then open up with the connection dialog box:



Ensure that the Target IP address is correctly selected as you have assigned in step 12.

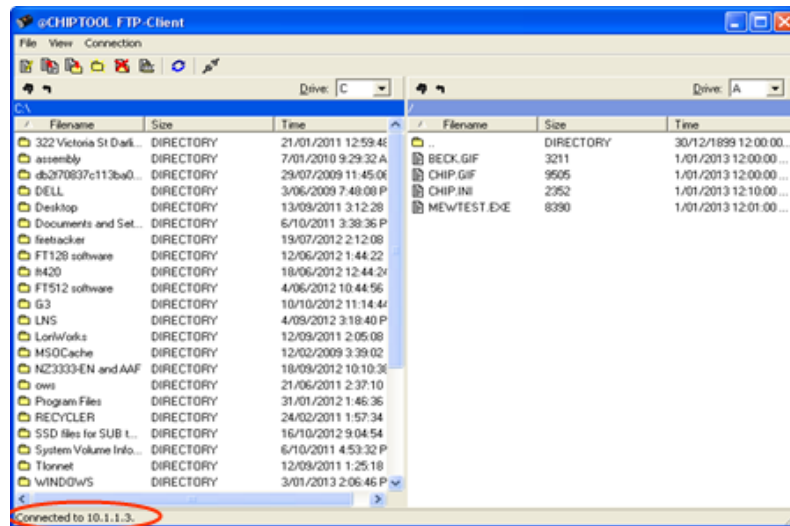
Note:

You can change the User and Password but if you forget, you will have to re-flash the Web-server and start all over. See Section 3.3 page 25 on How to Format Web-server 1598 for Making A Clean Install.

For a brand new Web-server II and for this walk-thru example:

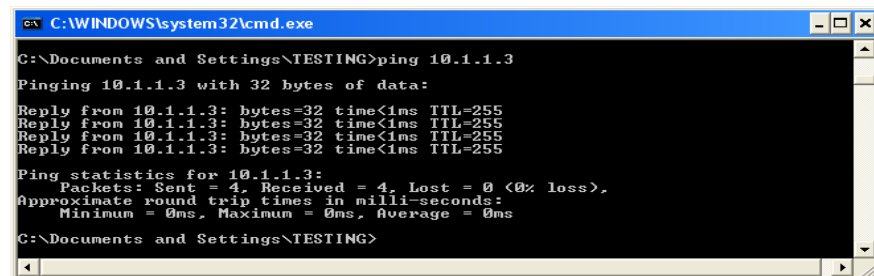
User: **ftp**
Password: **ftp**

- 15) Once connected you should see “Connected to <your Target IP address>”. In this case, it is 10.1.1.3.



Alternatively,

Ping the IP address 10.1.1.3 to see if connection is fine. Go to “Command Prompt” and “ping 10.1.1.3” type this at the prompt without quotes:

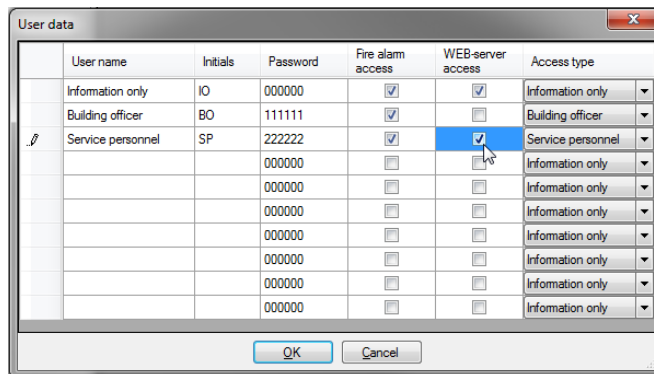


If all is good, you should see “Reply from 10.1.1.3:” with (0% loss).

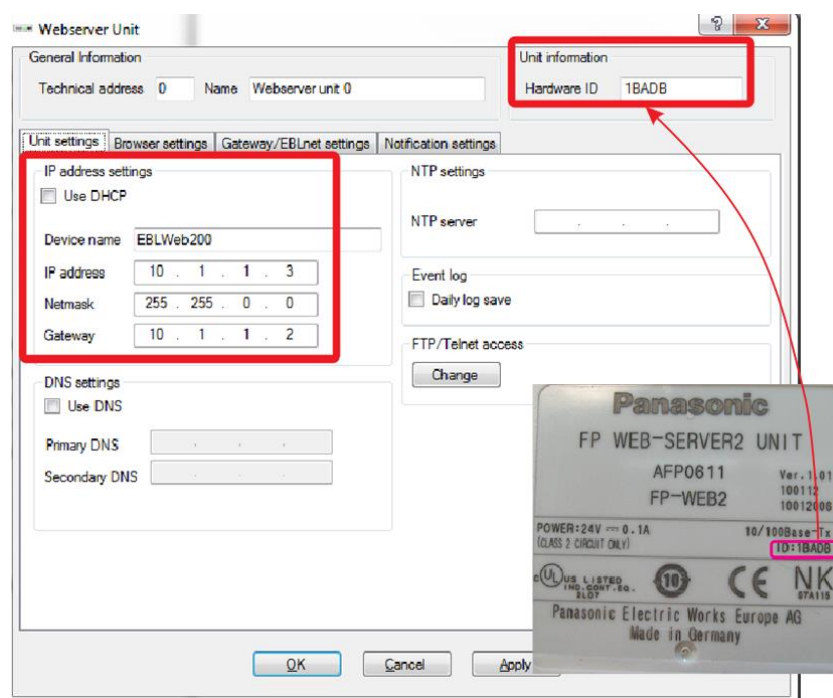
- 16) Upgrade the RTOS to **RTOS Version 1.71**¹⁰ if required. Refer to How to Format Web-server 1598 for Making A Clean Install or Upgrade see Section 3.3, page 25.
- 17) Using the @CHIPTool, check that the RTOS version has been upgraded.
- 18) Launch EBLWin and “Add Web Server...” (Right click on Control unit).

¹⁰ Download from: <http://www.beck-ipc.com/en/download/load.asp?f=rtos/archiv/SC1x3V0170Release.zip>

- 19) From the menu, System>User Data... enable the WEB-server access for "Service personnel" then click OK.

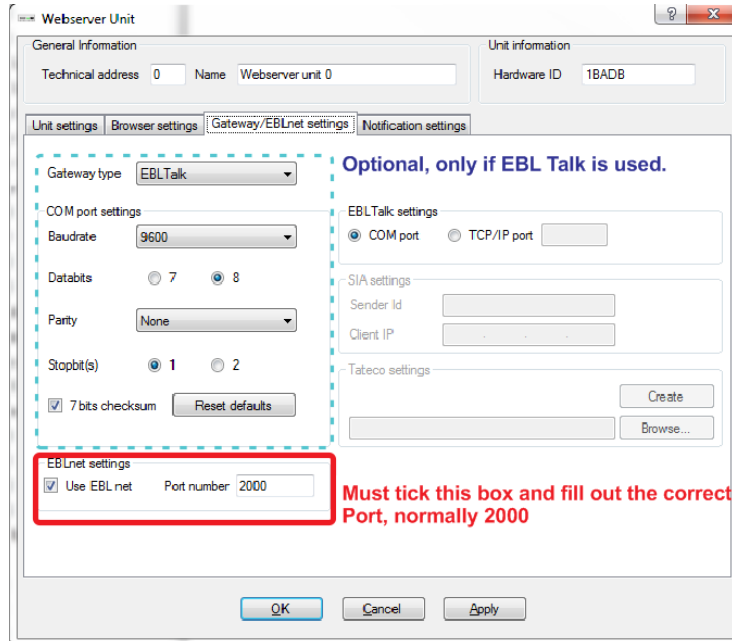


- 20) Double click on the Web-server just added to the Control Unit and it should display the Web-server unit configuration dialog box. Fill out the area circled:



The Hardware ID is the five characters that are printed on the Web-server plastic enclosure as shown.

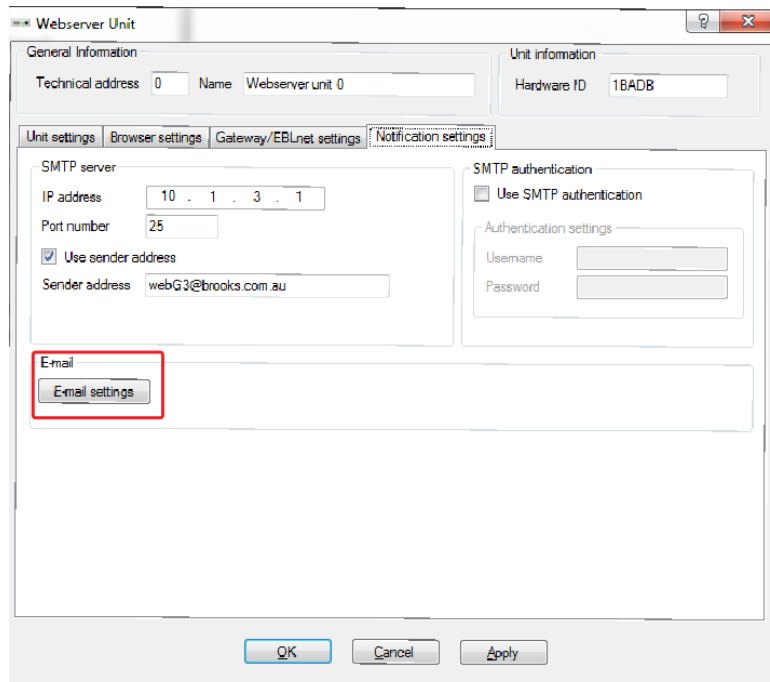
21) Click on the “Gateway/EBLnet settings” tab:



Choose “EBLTalk” for Gateway type only if using EBLTalk (use settings as shown). EBLnet settings “Use EBL net” must be selected and a port number assigned when using remote management system e.g. Skywalker.

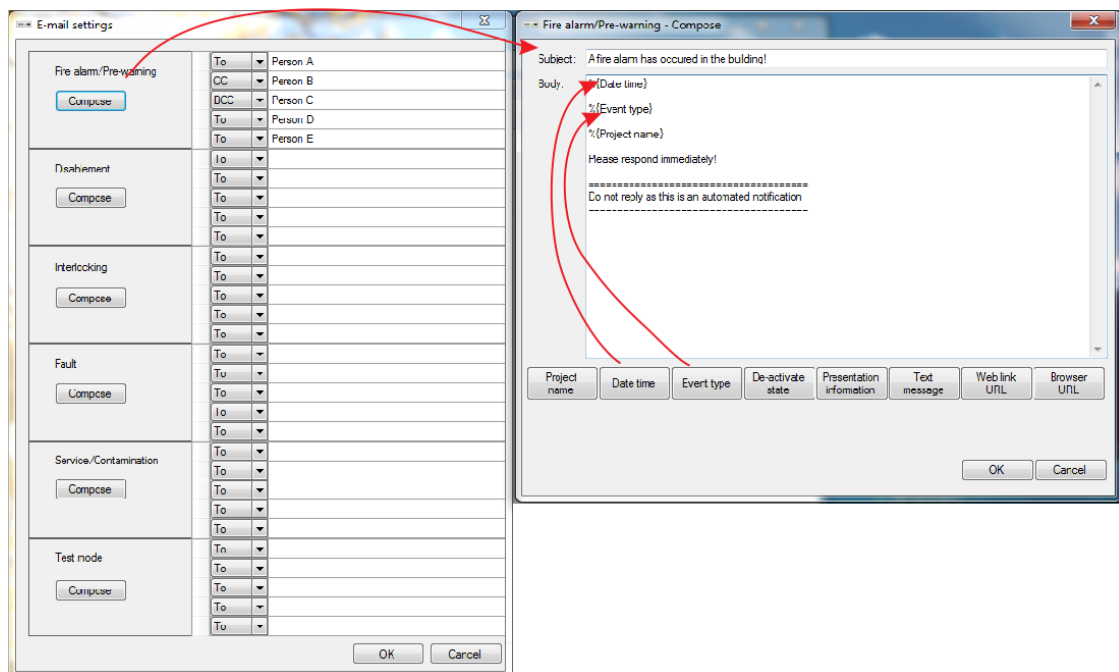
The following is applicable Only if email notification is required (Optional steps):

22) This step and the next are optional. Perform only if email notification is required: Click on the “Notification settings” tab.

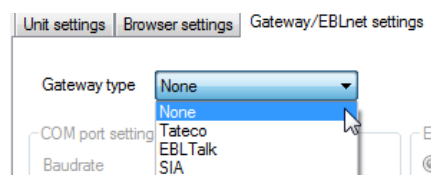


- 23) Fill in the Sender address, in this example webG3@brooks.com.au was assigned. You must enter the SMTP address in dotted decimal format ¹¹. The default SMTP port is 25, this may vary. Check with your Systems Administrator then click on the **E-mail settings** button under the E-mail section.
- 24) Fill out the persons to send this notification to, then click the compose button. Address to the person(s) you want to notify under certain panel conditions e.g. Fire, Fault, Disablement, Service, Pre warning, Test mode, etc. and email will be sent to the receiver's email address.

Enter the subject just like in any email. In the body are commands that you can use e.g. Date, event type etc. Click on any of these and the command will appear in the Body automatically showing when the event has occurred.

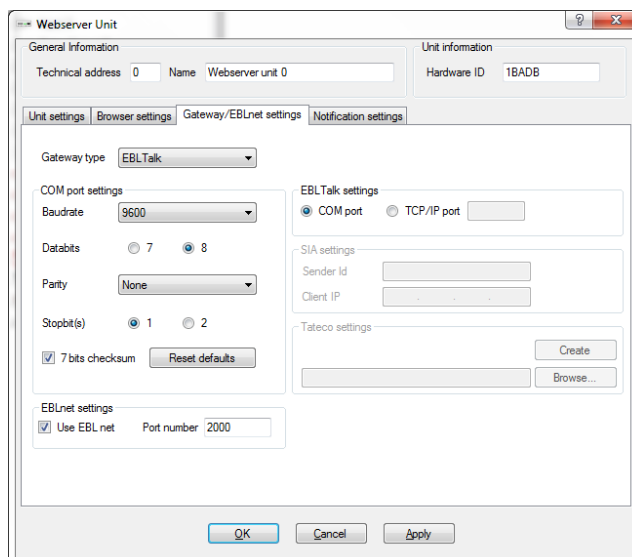


- 25) Gateway / EBLnet settings are optional.
If, Gateway function is **not used** select "**None**" Under the "Gateway / EBLnet settings" tab:

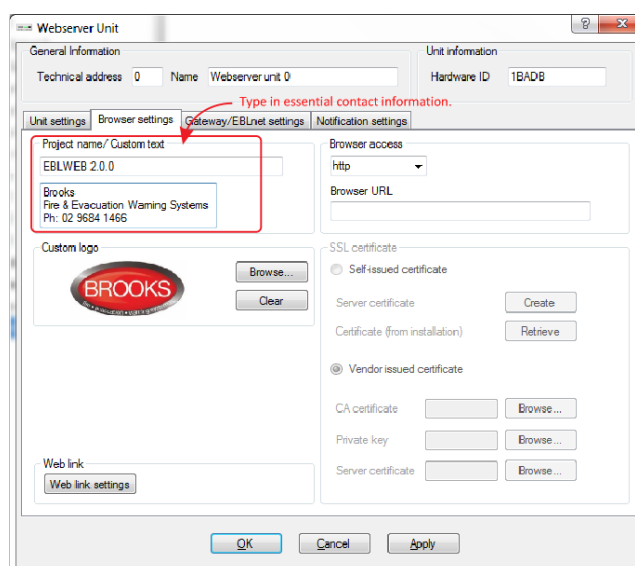


¹¹ Tip: If you only have the SMTP address in plain text format, try going to the windows command prompt and pinging it, example: ping panasonic.com. This will convert your plain text format into dotted decimal format.

If Gateway function is **used**: set ¹² the EBL Talk ¹³ as follows then click OK:



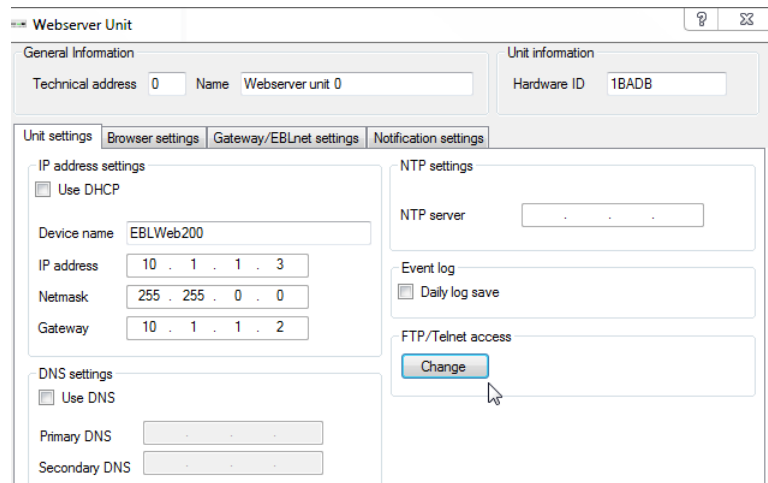
26) Under the Browser settings tab, Click on Browse to add the file location of your company logo (if required).



27) If required, change the ftp access under “Unit settings” tab:

¹² These settings are only applicable when used with EBLtalk terminal.exe provided by BROOKS. EBLtalk terminal.exe is an RS232 Terminal interface to check data communications. BROOKS cannot support any other open source programs since their settings may vary. If you choose to use other open source programs, you must find the settings that work yourself.

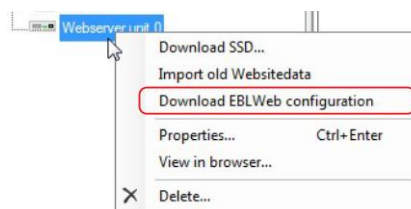
¹³ EBL Talk can be used together with SkyWalker and while the Web-server Home page is running.



Click on the **Change** button and fill in the new user name and password. Default user name and password is ftp.

Warning: If you forget your username and password, you will not be able to download the Web-server configuration. In this case, performing a clean install as described in Section 3.3, might be necessary to return everything to default settings. Then repeat this procedure from the beginning of this section.

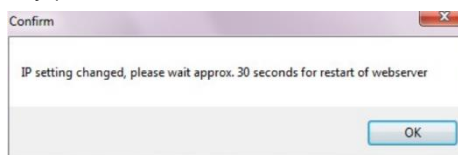
- 28) On configuration completion, check that you have your dongle (5094) on your laptop/PC plugged into a USB port. Connect between laptop/PC and CIE via USB (Type A to Type B) cables and be logged on from Tools>Log on Control Unit.
- 29) Download the EBLWeb V2.1.0 (file EBLWeb210_ENGLISH.BIN) only if upgrading versions or suspect corruption. See Section 7.1.1.
- 30) Right click on the Web-server and choose “Download EBL Web configuration” from the context menu:



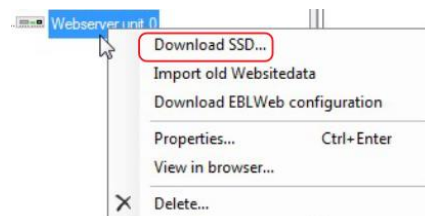
Then click the Download button with the “Include SSD Data” ticked in the Download EBL Web configuration Tab window.



- 31) The progress bar will fill at the bottom of the page then this message will pop-up (It is recommended to wait 30 seconds, click OK, then restart the webserver manually.):

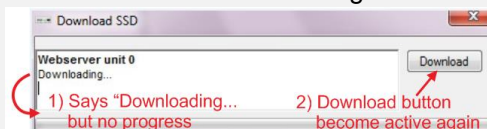


- 32) Right click again on Web-server then choose "Download SSD..." The download should begin within 30 seconds.
- 33) On completion, you should see the message "Download completed successfully." Before you close the Download SSD window.

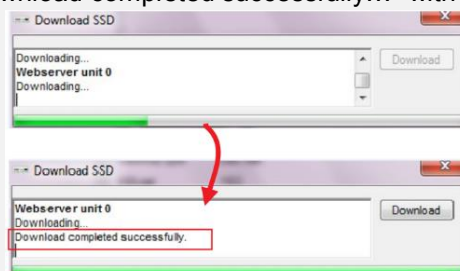


Note:

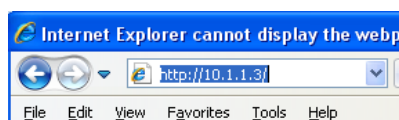
Sometimes the Download SSD window gives the message "Downloading..." but does nothing and the Download button becomes active again.



If this happens, just click the Download button again. A successful download should show the message "Download completed successfully..." with the progress bar filled.




- 34) After download completes, reset the Web-server by disconnecting the power connector to it and reconnecting.
- 35) Reconnect to an active Ethernet LAN cable connection to the Web-server's RJ-45 Ethernet COM port.
- 36) Open an Internet Browser on a remote computer that is connected to the internet and type the IP address that was assigned in step 20).

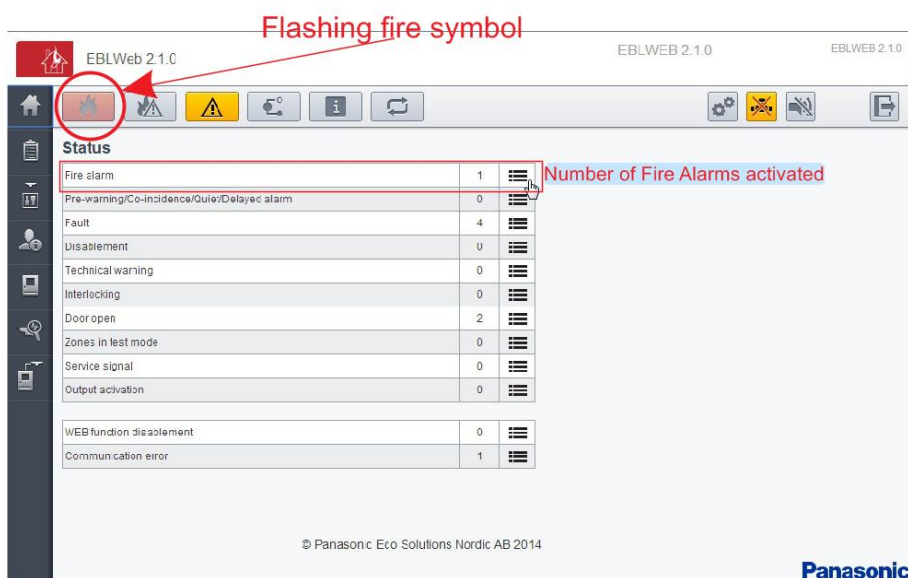



... you should then see this page:



37) Type in the Username and Password. Both are case sensitive. (Web-server access is only given if set in step 19).


38) To test, activate an MCP with the test key on the fire panel. You should see the icon  flashing:



39) To check what has been activated, click on  next to the alarm to bring up the next screen:

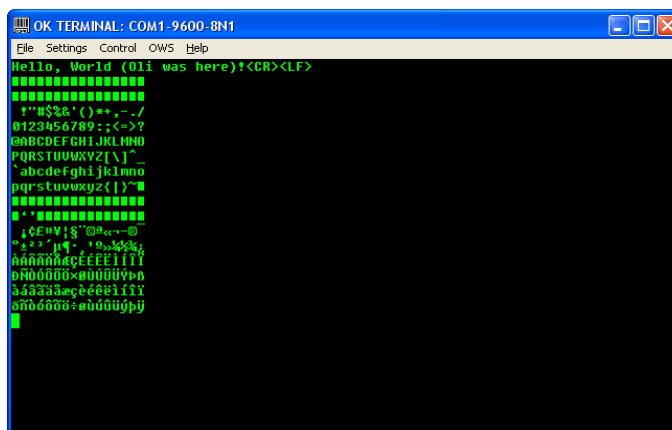


40) Go to the MCP and pull out the test key.

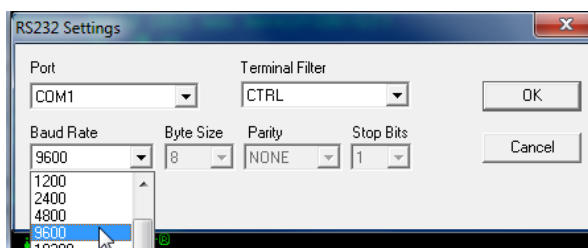
41) On the remote computer, click the Reset button  and hit apply. The Alarm should clear and the fire panel should return to normal conditions.

42) Connect the RS232 cable from laptop to Web-server via port labelled "MODEM COM. (RS232C)".

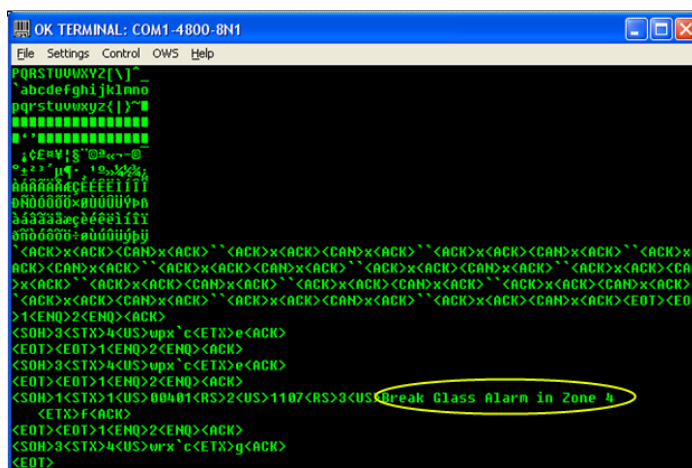
43) To test the Gateway function (if set up in step 25), run EBLTalk Terminal:



On the menu, Settings>RS232 Settings, change the Baud Rate to 9600 and ensure the other settings are as shown, then click OK:



- 44) When you activate an MCP on the panel, you should see a message ¹⁴ in the EBLTalk Terminal window that an alarm has been set off:



Note: if the text message was not configured for the MCP on the FT1020G3 or FT128, you will only see the line <SOH>...00401..ending with <US> without the circled text.

¹⁴ This message will only appear here provided you have configured texts for your Panel via the EBLWin Config Tool.

3.3 How to Format Web-server 1598 for Making A Clean Install or Upgrade

In cases where download of a new configuration fails, incomplete or corrupted which may cause rebooting or lose communications with the C.I.E., formatting of the Web-server might be required.

This section describes how to format the Web-server (if necessary) using @CHIPTOOL. Normally @CHIPTOOL will be able to detect the Web-server when connected to the same network.

The following are required:

1. Formatting File: **format_sc1x3.hex**
Download from:
http://www.beck-ipc.com/en/download/licence.asp?id=format_sc1x3&l=1
2. Upgrade the RTOS, file required: **SC1x3V0151_FULLL.hex** (or higher version)
Download from:
<http://www.beck-ipc.com/en/download/load.asp?f=/rtos/archiv/SC1x3V0170Release.zip>
3. Software: @CHIPTOOL (Chiptool_Install_V6.1.3.6.exe)
Download from:
http://www.beck-ipc.com/en/download/licence.asp?id=chiptool_install&l=1

3.3.1 Connections for Formatting via RJ-45 COM port

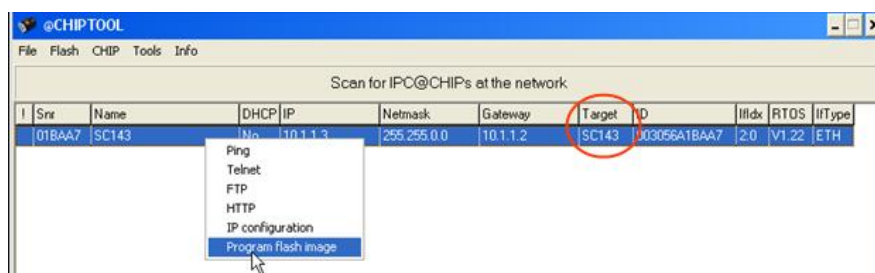
- 1) Refer to the connection diagrams on page 60 for Panel specific connections.
- 2) Connect between the laptop and the 1598 via a CAT-5 LAN cable Ethernet RJ-45 COM port.



3.3.1.1 Walk-Thru: Formatting/Upgrading the Web-server (Program Flash Image Method)

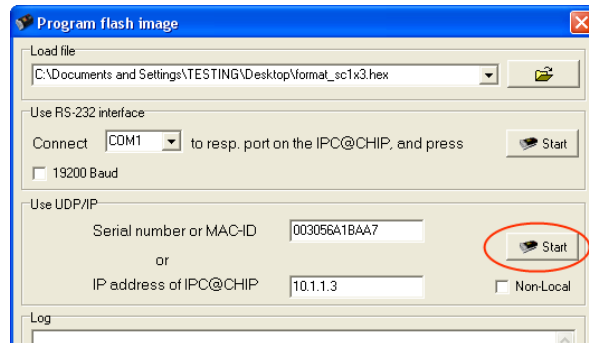
Note: If this method fails, use the method described in section 3.3.2.

- 1) Launch the @CHIPTOOL software. Right click on the selected Web-server and choose Program flash image from the context menu.
Note that the target type should be SC143.



- 2) Specify the location of the file named **format_sc1x3.hex** (if formatting) where it was downloaded to. Do not change any other settings. (Repeat this procedure and use **SC1x3V0170_FULLL.hex** to upgrade).

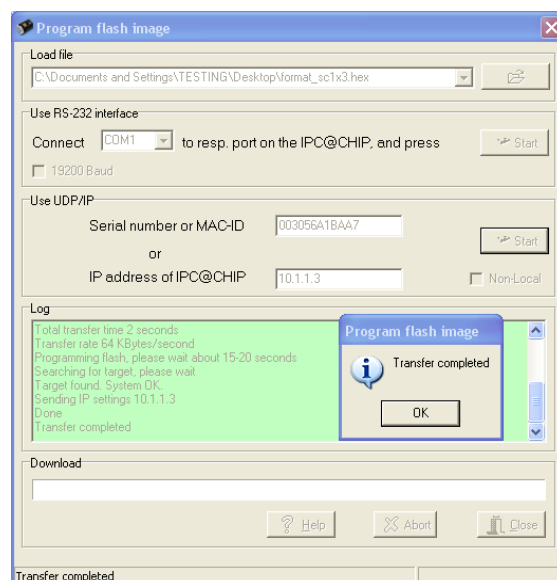
Then click on the START button under the section “Use UDP/IP”.



Note:

In the area “Use UDP/IP”, the last 5 characters in “Serial number or MAC-ID” must match the one the Web-server’s plastic enclosure as in Step 20). The “IP address of IPC@CHIP” may not match in the case of a corrupt Web-server. In this case, it is better to use the procedure in Section 3.3.2 & 3.3.2.1.

3) Once successfully completed, you will see this:



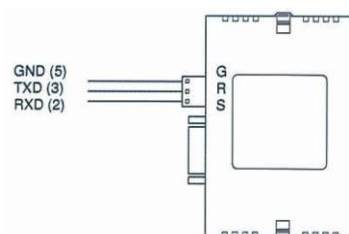
If you notice in the log reading, “Reconfiguration device failed”, it is alright to ignore it. In any case after downloading, you should see the “Transfer completed” dialog box. Click OK to complete.

4) Now Web-server is ready for reconfiguration. Note that by default the name is SC143. Follow steps 11)-15) under Section 3.2 page 11 to reconfigure with a new IP address.



3.3.2 Connections for formatting/upgrading via PLC COM. RS232C port

- 1) Refer to the connection diagrams on page 60 for panel specific connection.
- 2) Connect between the laptop and the 1598 using the serial cable provided with the special 3 pin connector at the end plugged into the Web-server's port named "PLC COM (RS232C)".
- 3) Connections on the special 3 pin connector at the end of the serial cable. Colour coding on the serial cable may differ. There will be a tag on the serial cable showing the connections to GND (Red or Brown), TXD (Orange or Black), RXD (Yellow or White). The single digit represents the pin-out on the 9-pin D-range connector.



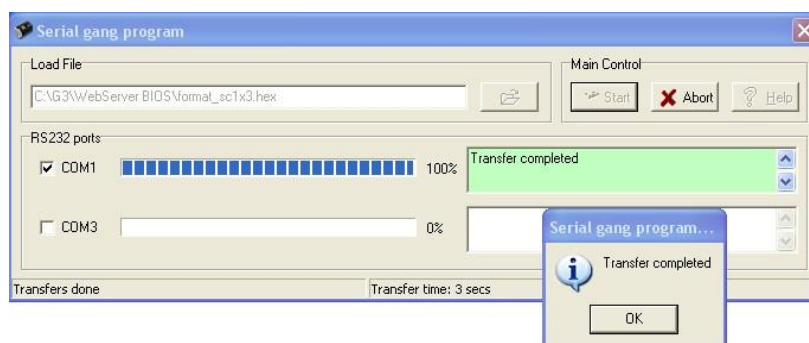
3.3.2.1 Walk-Thru: Formatting the Web-server (Serial Gang Program Flash Image Method)


Note: If the CHIPTOOL is unable to detect the IP address from the Web-server or unable to Program Flash Image, format the Webserver described in this section. Then repeat the procedures described in Section 3.3.1.1 to Program Flash Image.

- 1) Launch the @CHIPTOOL.
- 2) From the menu choose Flash>Serial Gang Program. Select the correct COM port and the file to flash.

Use format_sc1x3.hex to format and SC1x3V0170_FULL.hex to upgrade.

- 3) Click on the Start button. In the message box next to COM1 it should begin with the message "Contacting" and it should complete with "Transfer completed". (It should take no more than 30 seconds – if more, it has probably crashed. In this case, shut down all programs¹⁵, power down the Web-server and start again.)



¹⁵ @CHIPTOOL simply minimises and runs in Windows if the  button was used and will continue to run in the background. Either use File>Exit @CHIPTOOL from the menu or right-click on the @CHIPTOOL icon on the Windows taskbar notifications area and choose Exit @CHIPTOOL to completely shutdown the program.

4 Functions

The following chapters describes all EBLWeb functions.
The **start page** in the browser might look as follows (before login):



NOTE! The look might vary depending on screen resolution, settings, etc.

There is no support for *anonymous login*. For any user to login, they should have at least the lowest priority level even if the Web-server is to be used for status information only.

For remote operations and access to corresponding information, a **username** and a **password** are always required for at least **user level 2** (Building Officer).

Any access to the Web-server has to be configured via **EBLWin 2.1.x**, and it uses the same usernames and passwords as configured for the EBL-system¹⁶.

User level 1 (Information Only)

User level 2 (Building Officer)

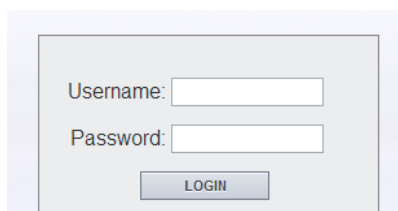
User level 3 (Service Personnel)

4.1 User Login

Username: Type the *User name* for the User level respectively.

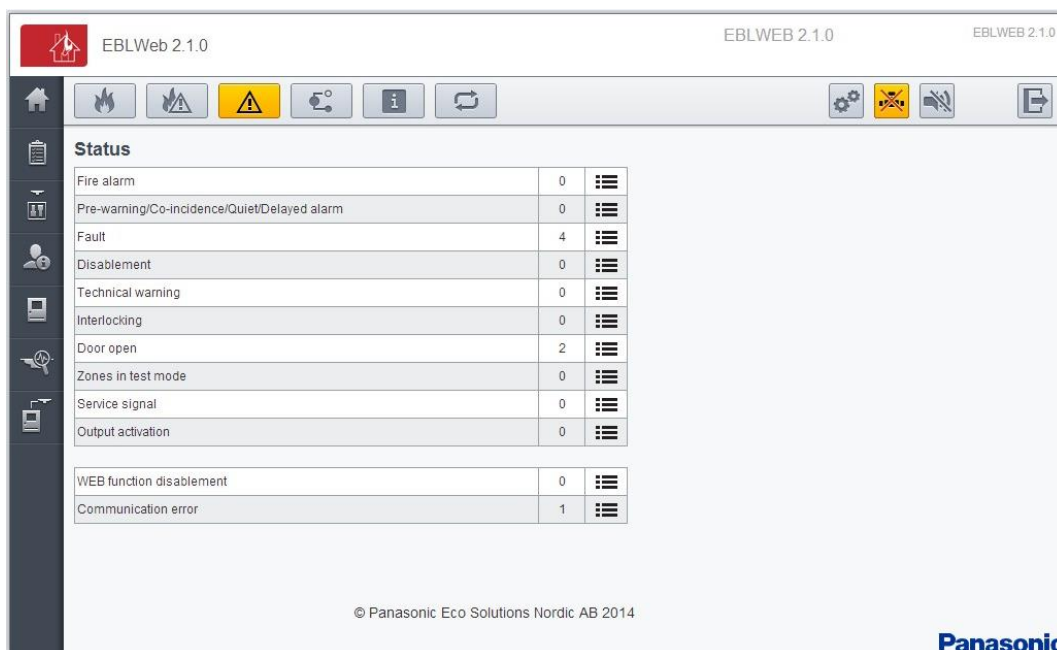
Password: Type the *Password* for the User level respectively.

Both Username and Password are case sensitive.



Click the  button to open with the **Status – Summary** page.

¹⁶ In EBLWin 2.1.1, from the menu: System> User data...




Depending on User's access level, some features, buttons may be greyed out, access to remote operations disabled and some information hidden.

The information is continuously updated approximately every 10 seconds.


In case of inconsistencies between EBLWeb and FT1020G3, perform a synchronisation on the Panel via menu H8/S7 or EBLWin V2.1.x. After restarting the Web-server, synchronization is done automatically.

4.2 User Logout

To logout the current session in EBLWeb, click the logout button  in the upper-right corner.

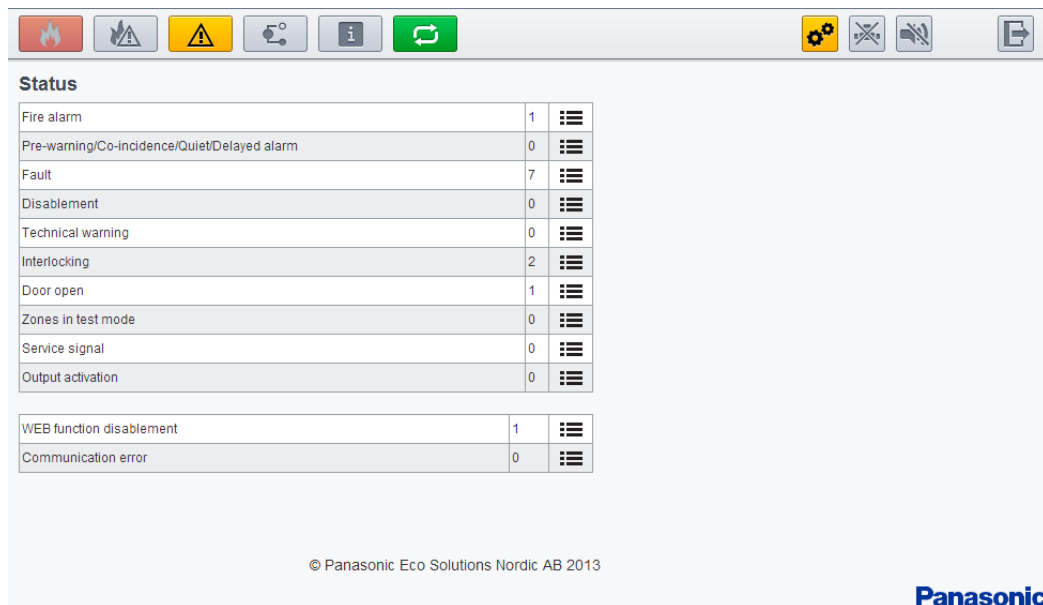
4.3 Silence PC buzzer (sound off)

When a fire alarm is activated, the buzzer/speaker in the PC is used for sound alert.

Click the Silence PC buzzer button  to silence the buzzer/speaker in the PC (until a new fire alarm is activated).

4.4 Status

After login or in any other view click home/status button  to see the status summary view.









EBLWeb will present the current status of the FT-system, i.e. showing current alarms, faults, disablement and other deviations corresponding to the Firetracker CU. The status will be shown on different web-pages and also indicated by the top row of icons. The icons will either blink or be constantly lit.



Note: The colour in the icon is not visible until the respective event is activated.

The summary consists of two areas.


The Firetracker CU Status Area

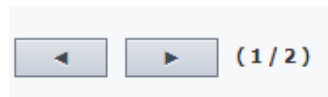
Fire alarm	
Pre-warning/Co-incidence/Quiet/Delayed alarm	
Fault	
Disablement	
Technical warning	
Interlocking	
Door open	N/A
Zones in test mode	N/A
Service signal	N/A
Output activation	N/A

The Web Status Area



WEB function disablement	
Communication error	

Each of the different summary items in the list will be described in the following pages.

The list page for each status can be opened through the List button . Every list can show a certain amount of items per page, and to see the total amount of pages that the list consists of, and to navigate amongst the pages, there are page handling buttons.



4.4.1 Fire Alarm

In case of a fire alarm, click on the fire alarm icon  or List button  to view the **fire alarm** list.

The **Time** (date and time), **Zone**, **Address** and **Text** (alarm text) are displayed.

Type = Smoke, Heat, Multi, MCP, Extinguishing system or other.

State = Heavy smoke/heat, Test, Isolated and Alert Annunciation alarm acknowledged / not acknowledged.



Link1 = A hyperlink to open a web-camera, document, a drawing etc. for more information regarding the alarm point.

Link2 = A hyperlink to open a web-camera, document, a drawing etc. for more information regarding the alarm point.

Click **Reset** button in the reset column for a pop-up dialog for reset of alarm. (Requires login on User level 2 or 3.)

The pop-up dialog for alarm reset have options to either **reset** the current alarm or **reset all** alarms in the fire alarm list.

4.4.2 Pre-warning/Co-incidence/Quiet/Delayed Alarm

In case of pre-warning, co-incidence alarm, quiet alarm, or delayed alarm, click on the pre-warning/ Co-incidence/Quiet/Delayed alarm icon  or List button  to view the corresponding **alarm** list. This list is separated into tab pages for respective pre-warning and alarm type.

Pre-warning [0] Co-incidence alarm [0] Quiet alarm [0] Delayed alarm [0]							
Time	Zone	Address	Type	Text	Link1	Link2	

The list is similar to the fire alarm list. See Fire Alarm section 4.4.1.

4.4.3 Fault

In case of faults, click on the fault icon  or List button  to view the fault list.

The **Time** (date & time), **Tech.No**, **Zone/Address** (when applicable), **Fault description** (fault message) are displayed. **State** (Serviced / Acknowledged / "Blank" = Neither Serviced nor Acknowledged).



Text = More info, such as alarm text if the fault is related to a detector etc. Place the pointer above the information icon.

Link1 and **Link2** = A hyperlink to open a web-camera, document, a drawing etc. for more information regarding the alarm point.

Click **Acknowledge** button in the acknowledge column for a pop-up dialog for acknowledgement of fault. (Requires login on User level 2 or 3.)

The pop-up dialog for acknowledgement of fault gives two choices for fault acknowledgement, either **acknowledge** the current fault or **acknowledge all** faults in the fault list.

4.4.4 Disablement

In case of disablement, click on the disablement icon  or List button  to view the corresponding **disablement** list. This list is separated into tab pages for respective disablement type.

Zone or Zone-Address [0]		Output [0]		Output type [0]		Interlocking [0]		COM-loop/Input [0]		Other [0]	
Time	Zone	Address	Re.Time	Reason	Link1	Link2	Re-enable				

Click **Re-enable** button in the re-enable column for a pop-up dialog for re-enabling the disablement. (Requires login on User level 2 or 3.)

4.4.4.1 Zone or Zone-Address Disablement

The **Time** (date & time), **Zone**, **Address**, **Re-enable time** and **Reason** (e.g. via the menu) is displayed.

Link1 and **Link2** = A hyperlink to open a web-camera, document, a drawing etc. for more information regarding the alarm point.

4.4.4.2 Output Disablement

The **Time** (date & time), **Control unit**, **Expansion Board**, **Loop**, and **Address** is displayed.

Output type = The type of output, such as, Control, Ventilation, Extinguisher, Alarm devices, ATR, Neutral, or FTR.

Output = The output number.

Reason = e.g. via the menu.

4.4.4.3 Output type Disablement

The **Time** (date & time), and **Control unit**, is displayed.

Output type = The type of output, such as, Control, Ventilation, Extinguisher, Alarm devices, ATR, Neutral, or FTR.

Reason = e.g. via the menu.

4.4.4.4 Interlocking (output) Disablement

The **Time** (date & time), **Area**, **Point** and **Text** (interlocking text) are displayed.

4.4.4.5 COM-loop/Input Disablement



The **Time** (date & time), **Control unit**, **Expansion Board**, **Technical No.**, and **Loop** (Input) is displayed.

4.4.4.6 Other (Alert annunciation) Disablement

The **Time** (date & time) and **Text** (disablement text) are displayed.



This list is only showing Alert annunciation disablement.

4.4.5 Technical Warning

In case of technical warning, click on the technical warning icon  or List button  to view the technical warning list.

The **Time** (date & time) and **Text** (technical warning text) are displayed.

4.4.6 Interlocking

In case of interlocking input/output activations, click on the interlocking icon  or List button  to view the interlocking list.

The **Time** (date and time), **Area**, **Point** and **Text** (interlocking text) are displayed.

Input = Input is activated.

In.Act.Time = The input activation time.

Output = Output is activated.

Out.Act.Time = The Output activation time.

Click **Reset** button in the reset column for a pop-up dialog for reset of activated interlocking output. (Requires login on User level 2 or 3.)

4.4.7 Door Open

In case of open doors, click the List button  to view the door list.

The **Time** (date & time) and **Control unit** are displayed.

FBP = The number of the Fire Brigade Panel, in case of door opened at FBP.


4.4.8 Zones in Test Mode

In case of zones in test mode, click the List button  to view the list of zones in test mode.

The **Time** (date & time) and **Zone** are displayed.

Click **De-activate** button in the de-activate column for a pop-up dialog for de-activation of the zone in test. (Requires login on User level 2 or 3.)

4.4.9 Service Signal


In case of detectors having activated service signal, click the List button  to view the service signal list.

The **Time** (date and time), **Zone**, **Address**, **Technical No** and **Text** (alarm text) are displayed.

Link1 and **Link2** = A hyperlink to open a web-camera, document, a drawing etc. for more information regarding the alarm point.

Click **Acknowledge** button in the acknowledge column for a pop-up dialog for acknowledgement of service signal. (Requires login on User level 3.)

4.4.10 Output Activation



In case of forced output activations, click the List button  to view the output activation list.

The **Time** (date & time), **Control unit**, **Expansion Board**, **Loop**, and **Address** is displayed.

Output = The output number.



Click **De-activate** button in the de-activate column for a pop-up dialog for de-activation of the force activated output. (Requires login on User level 2 or 3.)

4.4.11 WEB Function Disablement (WEB Status)

In case of any WEB-function disablement, click the WEB function icon  or the List button  to view the WEB function disablement list.

This view shows the current status of disablement of WEB functions, such as emails, PC-buzzer, and Gateway. It also shows the time-stamp for previous login and current EBLWeb software version.

4.4.12 Communication Error

In case of any communication error, click on the communication error icon  or the List button  to view the communication error list.

This view shows the current communication state for several kinds of communication errors as listed. If in error state, the state will be 'blinking' **Error**, otherwise a steady **Normal** will be shown.

EBL - WEB	Communication between CU and WEB-server.	Could be disconnection error in serial cable.
WEB - Browser	Communication between WEB-server and browser	Normally no TCP/IP connection with WEB-server from browser.
E-mail SMTP - WEB	Communication between SMTP-server and WEB-server	Normally no access to SMTP server. No e-mail can be sent.
WEB - Gateway	Communication between WEB-server and current configured Gateway function.	Normally no replies/ACK from the gateway device.

4.5 Event Log

Click **event log** button  to show the Event log view.

The event log of EBLWeb consists of five types of logs, where three of them are the same as in the control unit, namely, Alarm log, Interlocking log and General event log. All logs in EBLWeb are circular logs. The events in a Firetracker system are stored in both the FT1020G3 / FT128 CIE and in the Web-server.¹⁷

The **Time** (date & time), and **Event** (event text) is displayed.

Description = Additional information of the event when applicable.

User = The user that performed that specific event.

Origin = The source where the event originated from.



4.5.1 All Log

The all log is a special log in EBLWeb that collect all events in the same log with a capacity of 9999 log events.

4.5.2 Alarm Log

This log contains all alarm related events. This log shall show the same events as the CU alarm log with a capacity of 999 log events.

4.5.3 Interlocking Log

This log contains all interlocking related events. This log shall show the same events as the CU interlocking log with a capacity of 999 log events.

4.5.4 General Log

This log contains all general events. This log shall show the same events as the CU general log with a capacity of 999 log events.

4.5.5 WEB Log

This log contains all web related events, with a capacity of 999 log events.

4.5.6 Test Mode Alarm

This is a log to keep track of the test mode alarms. The **test mode alarms** normally reverts back to normal after 10 seconds. This test mode alarm log is used to record the test mode alarms in a list. In this, there's a sub-menu to send this list of test mode alarms to a pre-defined e-mail recipient and also clear the list from all recorded test mode alarms.

4.6 Maintenance (WEB Function)

Click **Maintenance** button  to show the Maintenance view.

This view contains two tab pages, one for WEB functions and the other for Web links.

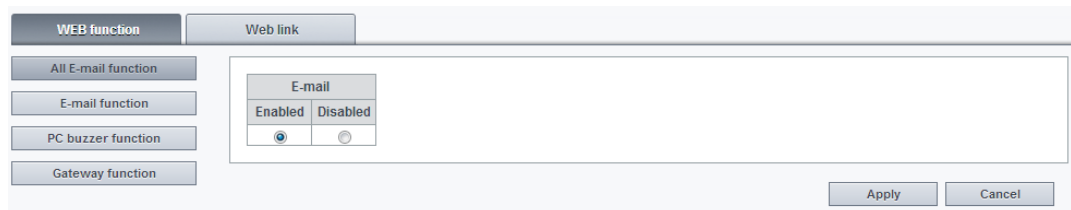
¹⁷ If the Web-server is disconnected, the events during that time will not be saved in the Web-server, i.e. not shown in the event log. When you restart the Web-server, the event log will be erased.

4.6.1 Web Function

The tab page shows WEB function disablement page with operations to Enable or Disable the WEB function. Each function is **Enabled** or **Disabled** by a selection of the corresponding radio button. Click **Apply** to perform the action.

4.6.1.1 All e-mail Function

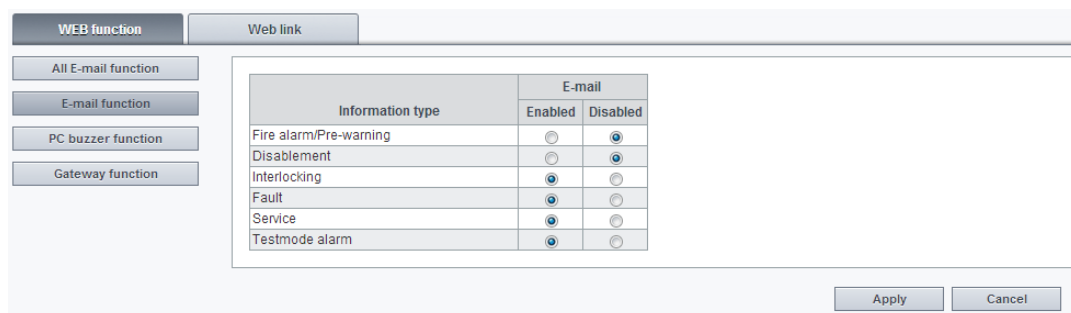
This disablement is to stop all kinds of e-mail sending from EBLWeb.



E-mail	
Enabled	Disabled
<input checked="" type="radio"/>	<input type="radio"/>

4.6.1.2 E-mail Function

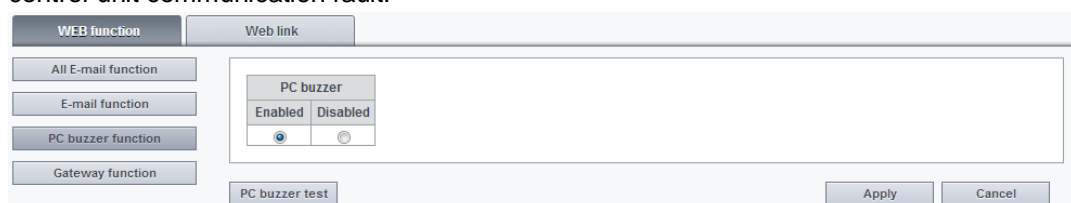
This disablement is related to each type of e-mail, i.e. **Fire alarm / Pre-warning, Disablement, Interlocking, Fault, Service, Test mode alarm** and **Technical warning**.



Information type	E-mail	
	Enabled	Disabled
Fire alarm/Pre-warning	<input type="radio"/>	<input checked="" type="radio"/>
Disablement	<input type="radio"/>	<input checked="" type="radio"/>
Interlocking	<input checked="" type="radio"/>	<input type="radio"/>
Fault	<input checked="" type="radio"/>	<input type="radio"/>
Service	<input checked="" type="radio"/>	<input type="radio"/>
Testmode alarm	<input checked="" type="radio"/>	<input type="radio"/>

4.6.1.3 PC Buzzer Function

This disablement is related to the PC-buzzer that which sound for each new fire alarm or control unit communication fault.



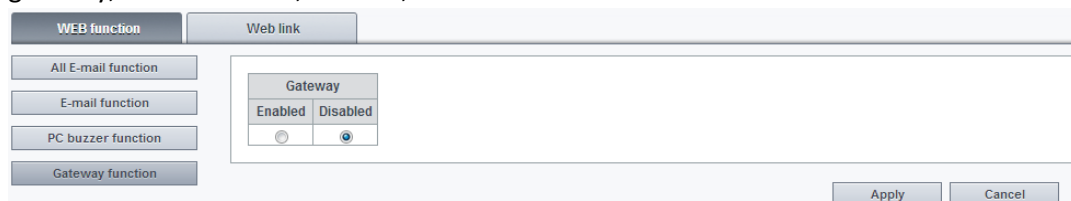
PC buzzer	
Enabled	Disabled
<input checked="" type="radio"/>	<input type="radio"/>

PC buzzer test

There is also a button for test of the PC-buzzer (four long beeps).

4.6.1.4 Gateway Function

This disablement will stop the Web-server to send messages to the current configured gateway, such as Tateco, EBLTalk, or SIA.



Gateway	
Enabled	Disabled
<input type="radio"/>	<input checked="" type="radio"/>

4.6.1.5 FTP Function


This disablement will stop the FTP access to the Web-server.

4.6.1.6 TELNET Function

This disablement will stop the TELNET access to the Web-server.

4.6.2 Web Link

Web links are URLs used for additional documents or web-cameras for a defined zone-address/detector. This tab page will show a list of all web links currently configured via EBLWin.



WEB function		Web link	
Zone	Address	Link1	Link2
000	00		

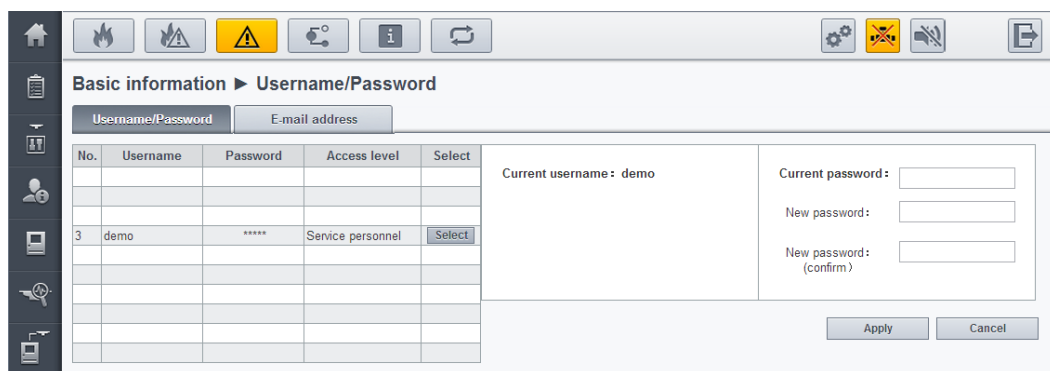
4.7 Basic Information


Click the basic information button  to show the basic information view.

This view has a tab page that shows the user information for the current logged in user and another tab page for the e-mail address configuration for each e-mail type.

4.7.1 (Username/Password)

Click the basic information button  then the select button  to change the user login password. The password change requires a current password in order to set a new password. Once applying the password change, the new password will be changed for the Firetracker system as well.



No.	Username	Password	Access level	Select
3	demo	*****	Service personnel	

Current username: demo

Current password:

New password:

New password (confirm):

4.7.2 E-mail Address

The e-mail handling in EBLWeb handles six different types of e-mails. Each e-mail type can be disabled. See E-mail Function in section 4.6.1.2. The EBLWin configured e-mail addresses for recipients are shown in this tab page. Each e-mail address shown has a button to **send** a test mail to the configured e-mail address.

Username/Password

E-mail address

Information type	Select
Fire alarm/Pre-warning	Select
Disablement	Select
Interlocking	Select
Fault	Select
Service	Select
Testmode alarm	Select

To	Cc	Bcc	E-mail address	Test mail
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Send
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Send
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Send
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Send
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Send

Close

4.8 Control Unit



Click the control unit button to access the control unit list view.

This page shows all control units in the Firetracker system. Each control unit row has a colour sign for synchronisation status.

■ BLACK	Not connected.
■ RED	Synchronisation has not started.
■ YELLOW	Synchronisation is in progress.
■ GREEN	Synchronisation is finished.

Control units to be monitored and included for synchronisation are determined by the SSD from EBLWin. Those control units that are included according to SSD, will have buttons for Control unit statistics (Sys.info.) and Loop statistics.

4.8.1 Control Unit Statistics (System Information)

This page shows the system information of the selected CU and consists of momentary statistics data requested from the connected CU.

The current consumption for power supply, current consumption for charger, battery temperature, low capacity voltage difference, site name (also time of SSD download) and software version for the CU is displayed.

4.8.2 Loop Statistics

This page shows the COM loop statistics for communication in selected CU.

Item	Loop 0 results		Loop 1 results		Loop 2 results		Loop 3 results	
Number of pollings	8697396		0		0		0	
No answer	8697390	99.2%	0	00.0%	0	00.0%	0	00.0%
Parity fault	0	00.0%	0	00.0%	0	00.0%	0	00.0%
Number of bits fault	6	00.0%	0	00.0%	0	00.0%	0	00.0%
Bit length fault	0	00.0%	0	00.0%	0	00.0%	0	00.0%

4.9 Detector Diagnostics



Click the detector diagnostics button to access the detector diagnostic page.

This page shows two kinds of lists to display detector information.

4.9.1 Detector List

This page requests the sensor values from the control unit. When selecting **Detector list**, it will first give an input window. Specify from which technical number the sensor list should start requesting sensor values from the control units. Example detector lists:

Detector diagnostics ► Detector list


Type	Zone	Address	Tech.No.	Momentary	Weekly	Perf.factor	Min	Max	Link1	Link2
SMOKE	004	08	000013	0.1 %/m	0.1 %/m	0.00%/m	0.1 %/m	0.1 %/m		
HEAT	006	10	000118	23 °C			21 °C	26 °C		

4.9.2 Service List

This page will list all detectors that have activated service signal. See Service Signal in section 4.4.9

5 Remote Operations

Note: Although the Web-server II is capable of controlling the panel remotely, this is prohibited in some state regulations. Please check with your state regulations if this is permissible.




To access remote operation in EBLWeb, click the remote operation button  .

It will expand the submenu for different remote operations, which consists of four main types:

- Disablement
- Activation
- Test
- Maintenance

The remote operations are user dependent, which means some menus or operations will be hidden from users with insufficient user level.

Most of the remote operations provide feedback functions to check if the operation was executed successfully, partially successful, or not executed. However, some operations don't give any feedback, i.e. "one-shot operations".


Operation succeeded	
Operation partly succeeded	
Operation failed	

5.1 Disablement Operations

Click the disablement operations button  to access a list of different disablement operations.

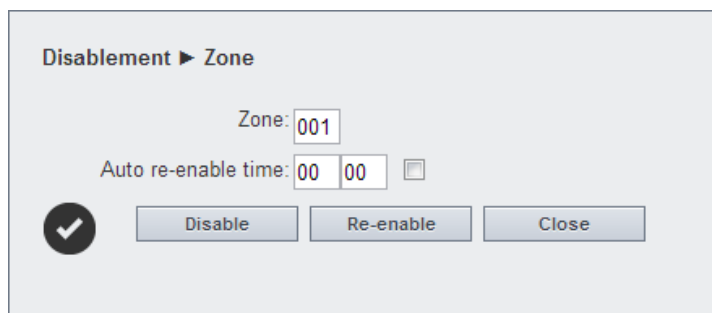
Type	
Zone	<input type="button" value="Select"/>
Zone-Address	<input type="button" value="Select"/>
Output	<input type="button" value="Select"/>
Output type	<input type="button" value="Select"/>
Alarm devices	<input type="button" value="Select"/>
Routing equipment	<input type="button" value="Select"/>
Alert annunciation	<input type="button" value="Select"/>
COM-loop / Zone line input	<input type="button" value="Select"/>

A click on the **select** button on each item will give the user a sub menu with choices of specific type for the corresponding disablement or a pop-up window with operations to **Disable** or **Re-enable** the disablement.

The back-button  returns to the previous menu by one level.

5.1.1 Zone

A specified Zone can be disabled / re-enabled and an automatic re-enable time can be set.



5.1.2 Zone-Address

A specified alarm point (Zone-Address) can be disabled / re-enabled and an automatic re-enable time can be set.

5.1.3 Output

A sub menu for several types of outputs:

Type	
Loop unit output	Select
Voltage output (S)	Select
Relay output (R)	Select
Expansion board output	Select
Interlocking output	Select

5.1.3.1 Loop Unit Output

A specified loop unit (tech.no.), output (0-2) can be disabled / re-enabled.

Note: In system FT128 the tech.no. is "000" plus the COM loop address, e.g. 000123.

5.1.3.2 Voltage Output (S)

A specified voltage output (0-3) in a specified control unit (00-29) can be disabled / re-enabled.

5.1.3.3 Relay Output (R)

A specified relay output (0-1) in a specified control unit (00-29) can be disabled / re-enabled.

5.1.3.4 Expansion Board Output

A specified output (0-7) on a specified 4581/4583 expansion board (0-5), in a specified control unit (00-29), can be disabled / re-enabled.

Note: 4583 has three outputs (0-2).

5.1.3.5 Interlocking Output

An interlocking can be disabled / re-enabled via a specified interlocking combination Area-Point.

5.1.4 Output type

A sub menu for several types of outputs. All outputs of the type respectively will be collectively disabled / re-enabled.

5.1.4.1 Control Output

All outputs of type "control", can be collectively disabled / re-enabled (all at the same time) in **all** control units or in a specified Control Unit (00-29).

5.1.4.2 Ventilation Output

All outputs of type "ventilation", can be collectively disabled / re-enabled (all at the same time) in **all** control units or in a specified Control Unit (00-29).

5.1.4.3 Extinguishing Output

All outputs of type "extinguishing", can be collectively disabled / re-enabled (all at the same time) in **all** control units or in a specified Control Unit (00-29).

5.1.4.4 Interlocking Output

All outputs of type "interlocking", can be collectively disabled / re-enabled (all at the same time) in **all** control units or in a specified Control Unit (00-29).

5.1.5 Alarm Devices

All outputs of type "alarm devices", can be collectively disabled / re-enabled (all at the same time) in **all** control units.

5.1.6 Routing Equipment

A submenu with Fire routing equipment and Fault routing equipment.

5.1.6.1 Fire Routing Equipment

The FIRE output for routing equipment (Fire Brigade TX) can be disabled / re-enabled.

5.1.6.2 Fault Routing Equipment

The FAULT output for routing equipment (Fault TX) can be disabled / re-enabled.

5.1.7 Alert annunciation

The Alert Annunciation function can be disabled / re-enabled.

Note: This operation has higher priority than any time channel controlling this function.

5.1.8 COM-Loop / Zone Line Input

A sub menu with the three types that can be disabled.

5.1.8.1 COM-Loop

A specified COM **Loop** (0-3) in a specified Control Unit (00-29) can be disabled / re-enabled.

5.1.8.2 Zone Line Input

A specified zone line input (0-7) on a specified 8 zones expansion Board (0-5), in a specified Control Unit (00-29), can be disabled / re-enabled.

5.1.8.3 Zone Interface

The zone line input (0) on a specified COM loop unit (3361) / technical number (Tech. No.), can be disabled / re-enabled.

Note: In system FT128 the tech.no. is "000" plus the COM loop address, e.g. 000123.

5.2 Activation Operations

Click the activation operations button to




access a list of different activation

operations.

Type	
Zone-Address	Select
Output	Select

A click on the **select** button on each item will give the user a sub menu with the different output types or a pop-up window with buttons to **Activate** or **De-activate**.

The back-button  returns to the previous menu by one level.

5.2.1 Output

A sub menu for several types of outputs.

5.2.1.1 Loop Unit Output

A specified loop unit (Tech. No.), Output (0-2) can be activated / de-activated.

Note: In system FT128 the tech.no. is "000" plus the COM loop address, e.g. 000123.

5.2.1.2 Voltage Output (S)

A specified voltage Output (0-3) in a specified Control Unit (00-29) can be activated / de-activated.

5.2.1.3 Relay Output (R)

A specified relay Output (0-1) in a specified Control Unit (00-29) can be activated / de-activated.

5.2.1.4 Expansion Board Output

A specified output (0-7) on a specified 4581/4583 expansion board (0-5), in a specified Control Unit (00-29), can be activated / de-activated.

Note: 4583 has three outputs (0-2).

5.2.1.5 Interlocking Output

An interlocking output can be activated / de-activated via a specified interlocking combination Area-Point.

5.3 Test Operations



Click the test operations button

to access a list of different test operations.

Type	
Zone test	Select
Alarm devices	Select

A click on the select button on each item will open a pop-up window with operations to Activate or De-activate the Zone test or Alarm devices test.


5.3.1 Zone Test

A specified **zone** (0-999) can be set in test mode, i.e. test mode activated / de-activated. Zones in test mode can also be de-activated from the Zones in test mode list. See 4.4.8 page 33.

5.3.2 Alarm Devices

All outputs of type "alarm device" can be collectively activated / de-activated for test. All at the same time in **all** control units or in a specified Control Unit (00-29).

5.4 Maintenance Operations

Click the maintenance operations button  to access a list of different maintenance operations.

Type	
Set calendar and time	Select
Synchronize	Select
Silence alarm devices	Select
Evacuate	Select
Sensitive fault detection mode	Select
Calibrate outputs	Select
Close fire doors	Select
Fire drill mode	Select

A click on the select button on each item will open a pop-up window with corresponding maintenance operation.

5.4.1 Set Calendar and Time

The date and time for the Web-server and the Firetracker system can be set in the pop-up dialog box. Click apply to set the date and time currently shown in the dialog box or click cancel for no change.

5.4.2 Synchronise

This operation starts a synchronisation of the Firetracker system, which includes FT1020G3 / Ft128 CU, EBLWin, and EBLWeb. The synchronisation status of each Control unit is shown in the Control unit list. See section 4.8 page 38.

5.4.3 Silence Alarm Devices

This operation works like the Silence Alarm Devices button on the Control Unit front.

Note: Cannot be activated if there is no fire alarm in the system.

5.4.4 Evacuate

This operation activates / de-activates the evacuate function.

5.4.5 Sensitive Fault Detection Mode

This operation activate / de-activate the Firetracker system for sensitive fault detection mode.

5.4.6 Calibrate Outputs

This operation starts a calibration of all supervised outputs in the Firetracker system.

5.4.7 Close Fire Doors

This operation will collectively close all fire doors, i.e. programmable outputs with a control expression containing one or more trigger conditions *Fire Door Closing (zone – address)*, in **all** control units or in a specified Control Unit (00-29).

5.4.8 Fire Drill Mode

Fire drill mode activated will disable all outputs except outputs of type Control neutral and type Alarm devices.



An alarm point activating fire alarm will now activate all alarm devices, in order to evacuate the building (a fire drill).

Important: The system will remain disabled until de-activated. Remember to de-activate after the fire drill. Choose “De-activate” to enable the system back to normal conditions.

6 Configuration of EBLWeb

The EBLWeb is configured via the PC tool **EBLWin 2.1.0** or later. The EBLWeb software, the configuration data and the site specific data (SSD) will be downloaded to the Web-server via TCP/IP¹⁸. See EBLWin, menu Tools.

All the EBLWeb related menu options and dialog boxes in EBLWin are described in the following chapters.

6.1 Web-server

To configure a Web-server for the Firetracker system, a Web-server must be added to a Control Unit (Control unit pop-up menu, Add Web-server). Up to 5 Web-servers may be added to the Firetracker system, with a limit of 1 Web-server per Control Unit.

Once added, a properties dialog box for the Web-server will be opened. More about each setting is described below. The properties dialog box can always be accessed by right-clicking on the Web-server in the EBLWin tree view, and select properties.

6.1.1 General Information

Since there is a limitation of the maximum numbers of Web-servers for a Firetracker system, each Web-server must have a unique technical address (0-4). A default Web-server Name is shown. The Web-server name is shown in the tree view of EBLWin.

6.1.2 Unit Information

To be able to download a specific configuration to a specific Web-server, the Hardware ID (normally five characters) is required to identify the web server unit. This ID is printed on the side of the Web-server plastic enclosure e.g. ID:1BADB.

6.1.3 Unit Settings

6.1.3.1 IP Address Settings

Use DHCP: Select this option when a dynamic IP number is to be used (instead of a static, see below).

Device name: It is always recommended to have a Device name, not only when a dynamic IP number is used.

If a static IP number is to be used, the following data have to be specified:

- **IP address** (for Web-server)¹⁹
- Netmask²⁰
- Gateway²⁰

6.1.3.2 DNS Settings

Use DNS: Select this option when Domain Name Server is to be used. DNS is used to translate name address into IP address.

Primary DNS: The IP address to the primary DNS²⁰.

¹⁸ The Web-server 1598 and the PC both have to be connected to the Local Area Network (LAN). As an alternative a "Crossed network cable" or a Hub can be used.

¹⁹ The IP address is set to 192.168.1.169 on delivery. If the Local Area Network (LAN) administrator demands another IP address to be used, it can be changed via the PC tool CHIPTOOL provided free of charge by BECK IPC website: <http://www.beck-ipc.com>

²⁰ Provided by LAN administrator.

Secondary DNS: The IP address to the secondary DNS²⁰.

6.1.3.3 NTP Settings

Normally the Control Unit no. 00 in an FT1020G3 system will send out the date & time at midnight every day, to synchronise the clock in all Control Units in the system as well as the clock in Web-server II.

For continuous correct time and synchronisation of all the clocks an NTP²¹ server can be used. In this case, synchronisation will be done one hour after midnight every day.

NTP server: The NTP server's IP address. If DNS is selected (see above) the server name is used instead.

6.1.3.4 Event Log

All the events in the Firetracker system will also be stored in the Web-server internal RAM. In the case of a power loss (or unexpected reboot), the event log will be lost.

Daily log save: The event log will be automatically saved to flash memory once every day (one hour after midnight).

6.1.3.5 FTP/Telnet Access

When the Web-server shall be configured (programmed) via the PC tool, this will be done via FTP/Telnet via a LAN network (or crossed Ethernet cable or a hub). For safety reasons, Username and Password are used for FTP/Telnet. The default username/password are ftp/ftp, but this can be changed.

New username: Type the new username.

New password: Type the new password. (Only dots will be displayed.)

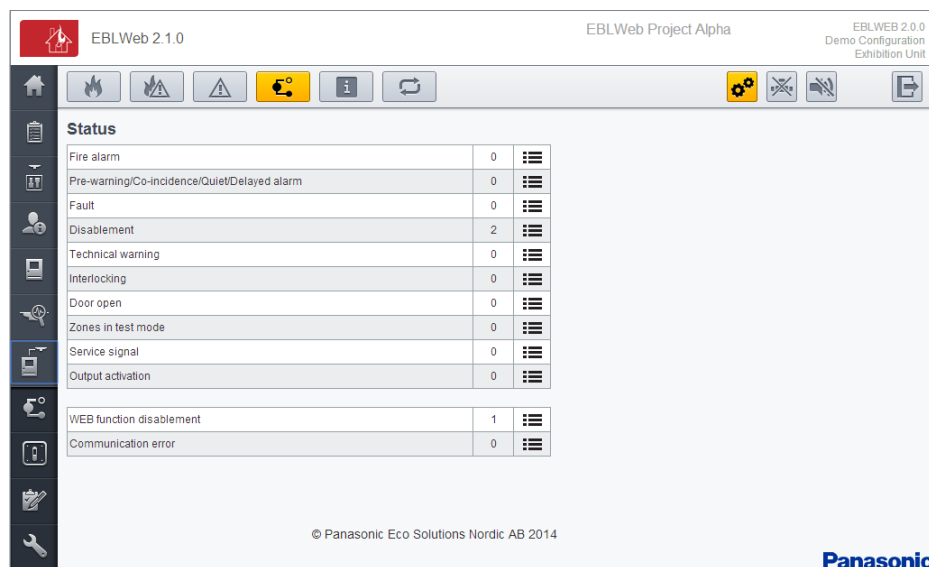
Confirm password: Re-type the new password once more. (Only dots will be displayed.)

Note: The new Username and Password will not be valid until after download and restart of the Web-server.

6.1.4 Browser Settings

Settings in this tab page are related to how the web browser access and displays the web pages.

²¹ NTP (Network Time Server) is a protocol designed to synchronise the clocks of computers over a network.



6.1.4.1 Project Name / Custom Text

Project name and custom text are shown in the upper-right corner of the web pages.

Project name: a row of text that can be used to identify which Firetracker system this web server belongs to.

Custom text: Three rows of text for some additional information that can be shown, e.g. contact information.

6.1.4.2 Custom Logo

The custom logo will be shown in the lower-right corner of the web pages.

Browse: Opens a dialog to select an appropriate image (jpg, gif, bmp) used for logo. Recommended format size of image is 210x56 pixels.

If no custom logo is selected, the Panasonic logo will be used.

6.1.4.3 Web Link

If an alarm point is presented, it is possible to click the hyperlink for e.g. a document or a camera to get more information about the alarm point. Up to 500 links can be used. Web links settings.

Level 1 (Web links for alarm points by default)

Zone	Address	Link1	Link2
▶ 000	00	http://www.panasonic.se	

Level 2 (Web links for alarm points by zone)

Zone	Address	Link1	Link2
*			

Level 3 (Web links for alarm points by zone-address)

Zone	Address	Link1	Link2
*			

Number of web links: 1/500

OK Cancel

The web links are based on three levels:

- **Level 1** is used to configure two links for all alarm points in the system. The links configured here will fully cover zone-addresses from 001-01 to 999-99.
- **Level 2** is used to configure two links for specific zones in the system. One zone per row. The links configured here will cover a full zone from ZZZ-01 to ZZZ-99, where ZZZ can be any zone from 001-999.
- **Level 3** is used to configure two links for specific alarm points in the system. One alarm point per row. The links configured here will cover one zone-address, 001-01 to 999-99 can be used.

6.1.4.4 Browser Access

The web pages are by default configured to be accessed without encryption with **http**, but if more safety for access is needed, **https** access with encrypted communication via **SSL** can be used. (See below.)

Browser URL: Type the web-address (URL) for accessing this Web-server. This will be used as Web-server URL in e-mails, if used.

- http://x
- https://x
- http/https://x

x = IP-address or the Device name.

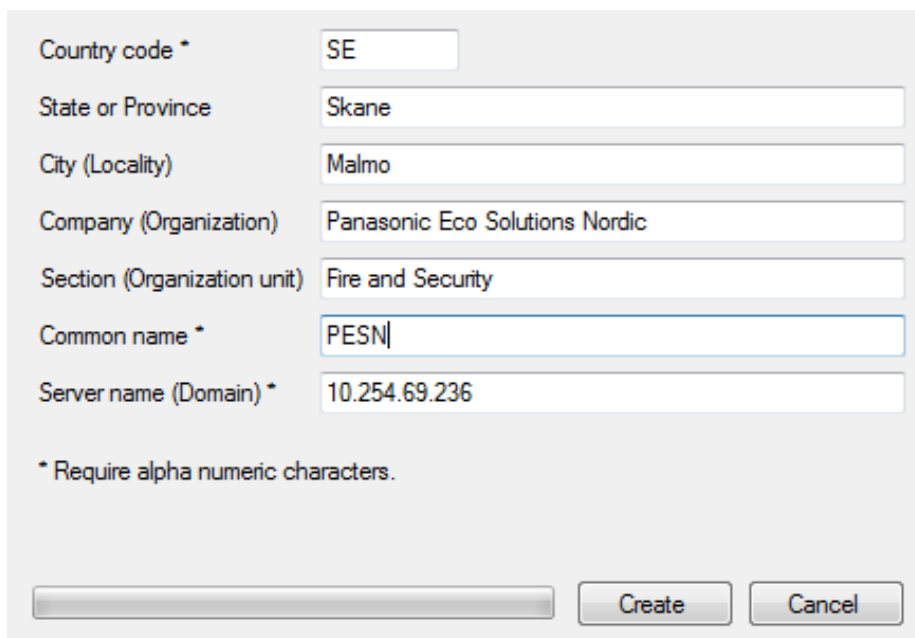
6.1.4.5 SSL Certificate

If https is going to be used for webpage access, the SSL certificates needs to be defined.

There are two ways to define SSL certificates in the configuration. Either **self-issued certificate** or **vendor-issued certificate** can be used.

6.1.4.5.1 Self-Issued

It is possible to create certificates in the configuration tool in EBLWin, but the certificate created using Open SSL is not verified by any trusted certificate authority, thus a warning might be shown in the web browser.

A screenshot of a web-based configuration form for creating a self-issued SSL certificate. The form has a light grey background and contains several text input fields with labels to their left. The labels are: "Country code *", "State or Province", "City (Locality)", "Company (Organization)", "Section (Organization unit)", "Common name *", and "Server name (Domain) *". The corresponding values entered in the fields are: "SE", "Skane", "Malmo", "Panasonic Eco Solutions Nordic", "Fire and Security", "PESN|", and "10.254.69.236". Below the fields, there is a note: "* Require alpha numeric characters." At the bottom of the form, there are three buttons: a large, light grey button on the left, and two smaller buttons labeled "Create" and "Cancel" on the right.

Click the **Create** button to open dialog to create certificate.

Once created the **create** button will change to **completed** to show that the certificate has already been created.

The **Retrieve** button is used to retrieve and save the current certificate (CACERT.crt) in some other place in the computer (PC).

6.1.4.5.2 Vendor Issued

If the certificates are **vendor-issued**, it can be configured to the EBLWeb with this option.

CA certificate: Type the path and file name (e.g. intermed.pem) or use the **Browse** button.

Private key: Type the path and file name (e.g. privkey.pem) or use the **Browse** button.

Server certificate: Type the path and file name (e.g. cert.pem) or use the **Browse** button.

6.1.5 Gateway / EBLNet Settings

The EBLWeb is not only a Web-server but can also be a gateway to another system. One of the following gateway types can be selected:

- **None:** No gateway function will be used.
- **Tateco:** Used when fire alarm information is to be transmitted to and presented in an Ascom Tateco paging system.
- **EBLTalk:** Used when fire alarm information is required to be transmitted to and presented in a separate PC system, via RS232 or via TCP/IP. EBL Talk is an open protocol. For more information see "EBL Talk Protocol" Technical Description (MEW00532).
- **SIA:** Used when fire alarm information is to be transmitted to and presented in a separate PC system, via the SIA protocol.
- **MODBUS:** Used when fire information is to be transmitted via MODBUS protocol. Only occurrence of fire alarm per zone is registered.

6.1.5.1 COM Port Settings

COM port settings are used for the serial communication (RS232) set-up used with EBLTalk or Tateco protocols.

Normally **defaults** settings are used for EBLTalk or Tateco, but it's possible to change to suitable settings depending on corresponding client communication settings. Click **Reset defaults** button to restore the defaults settings for COM port.

6.1.5.2 EBLTalk Settings

EBLTalk can be used via COM-port (RS232) or via Ethernet TCP/IP port.

6.1.5.3 SIA Settings

Client IP (MAS) address and **Sender ID** are required. (Provided via the Local Area Network (LAN) administrator and/or SIA administrator.)

6.1.5.4 Tateco Settings

Tateco uses a COM-port and need a Tateco file to be defined. A tateco file has to either be created (**Create**) or an existing file has been selected (**Browse**).

6.1.5.5 MODBus Settings

MODBUS uses a COM-port and only 8 bits data with 1 stop bit is supported. A **slave ID** needs to be defined which is used by a Modbus software to retrieve data.

6.1.5.6 EBLnet Settings

EBLnet is used to connect the Firetracker system to a Security Management system.

EBLnet licence 5097 is a kit containing:

- **EBLnet** licence number (key) document
- **EBLnet** licence number label
- User instructions

EBLnet active: Has to be selected to activate the EBLnet function. This has to be done before the Web-server can be connected to the Security Management system. See Walk-Thru Guide Section 3.2 step 21).

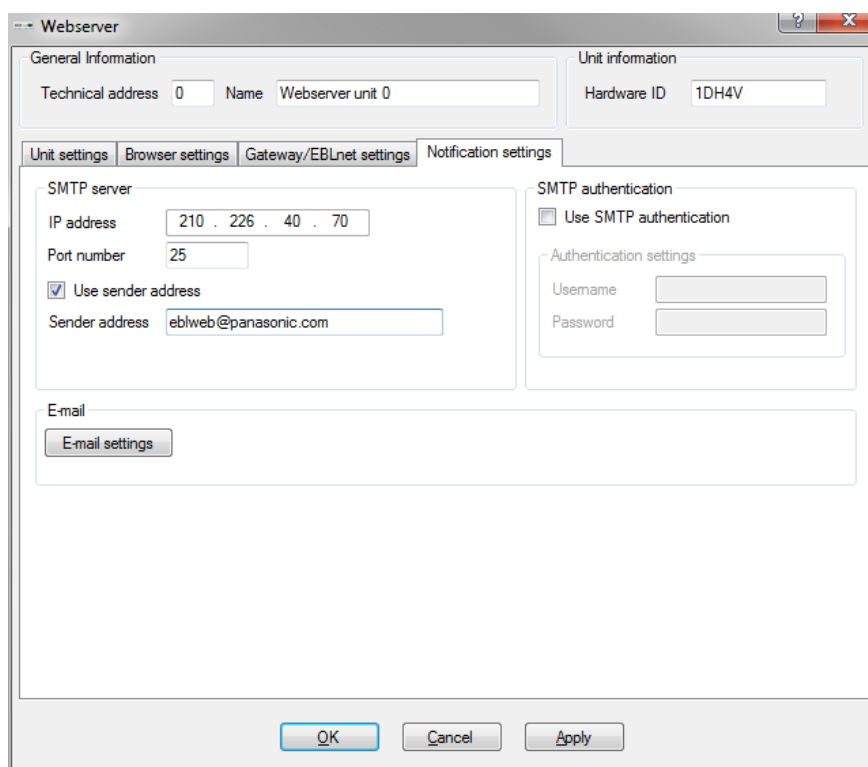
Note: The EBLnet key is a 40 character key purchased from Brooks. The Web-server ID must be provided in order to receive the key (licence).

Port number: A port must be set. Provided via the Local Area Network (LAN) administrator. See Walk-Thru Guide in section 3.2 step 21).

NOTE! Port 80 is used by the Web-server and cannot be used elsewhere.

6.1.6 Notification Settings

The Web-server can be configured to send e-mails if certain types of events occur. Six different types of e-mails, based on the type of events, can be sent.



The screenshot shows the 'Webserver' configuration window with the 'Notification settings' tab selected. The window is divided into several sections:

- General Information:** Technical address: 0, Name: Webserver unit 0.
- Unit information:** Hardware ID: 1DH4V.
- Notification settings:**
 - SMTP server:** IP address: 210 . 226 . 40 . 70, Port number: 25. ☒ Use sender address, Sender address: eblweb@panasonic.com.
 - SMTP authentication:** ☐ Use SMTP authentication.
 - Authentication settings:** Username: [empty], Password: [empty].
 - E-mail:** E-mail settings button.

At the bottom are buttons for OK, Cancel, and Apply.

Tip: If you only have the SMTP address in pain text format, go to windows command prompt and ping it, example: ping panasonic.com. This will convert your plain text format into dotted decimal format.

6.1.6.1 SMTP Server

IP address / Server name: Type in the **IP address** for a SMTP server or type in the SMTP **server name** if DNS is used.

Port number: Type in the port number for SMTP server, the default port is **25**.

Sender address: The address that will be shown as sender in e-mails sent from the Web-server.

- Unchecked checkbox: default sender address “EBLWebMail” will be used.
- Checked checkbox: Write the required sender address.

Note: The default sender address might not work for some SMTP servers that require a valid sender address.

6.1.6.2 SMTP Authentication

Used if SMTP server requires authentication before sending e-mail.

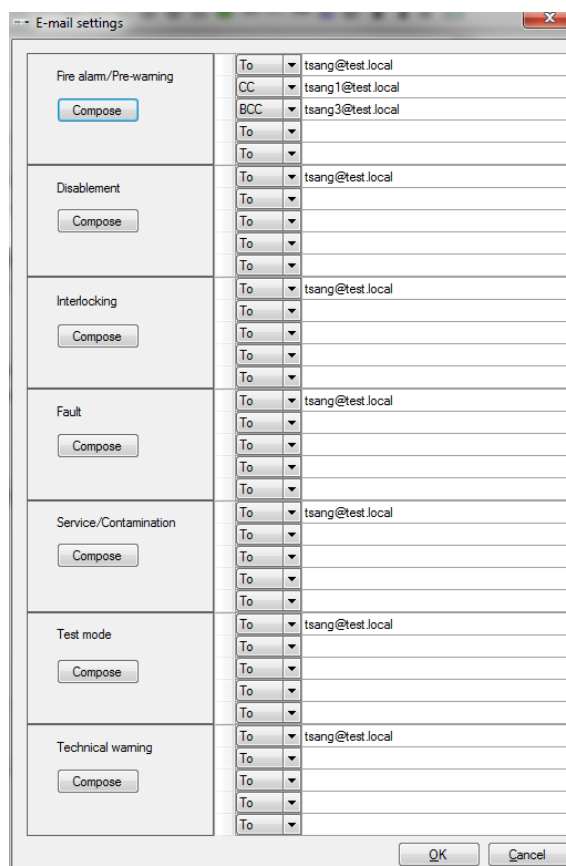
Username: Username for the SMTP server.

Password: Password for SMTP server.

Note: EBLWeb only supports authentication using PLAIN, LOGIN or CRAM_MD5.

6.1.6.3 E-mail

Click on the **E-mail settings** button to open a dialog for configuration of each e-mail type. Up to five e-mail addresses can be configured for each type of e-mail and each e-mail address can be send as **To**, **CC**, or **BCC** address.



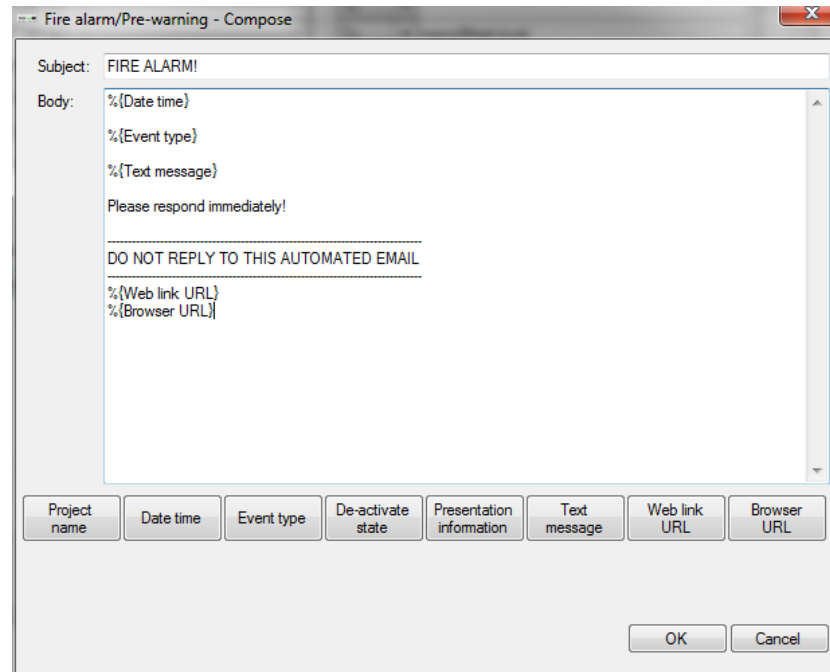
The screenshot shows the 'E-mail settings' dialog box. It has a left pane with seven categories: 'Fire alarm/Pre-warning', 'Disablement', 'Interlocking', 'Fault', 'Service/Contamination', 'Test mode', and 'Technical warning'. Each category has a 'Compose' button. The right pane shows the configuration for the 'Fire alarm/Pre-warning' category. It has three rows for 'To', 'CC', and 'BCC' addresses, each with a dropdown menu. The 'To' dropdown is set to 'tsang@test.local'. Below the address fields are 'OK' and 'Cancel' buttons.

Click on **Compose** button for respective e-mail type to open a compose dialog box.

Subject: An e-mail "Subject" text should be written, e.g. "Fire alarm". The "Subject" text will be shown in the receivers e-mail Inbox list view, together with the name of the e-mail sender, date and size.

Body: An e-mail "Body" text should be written. Up to 500 characters can be used, including some parameters (see below).

The parameters in the receiver's e-mail will be replaced with the information they represent.



Refer to steps 22) & 24) under Section 3.2 Walk-Thru Guide for set up example.

6.1.6.3.1 Fire Alarm / Pre-Warning e-mail

The following parameters can be used together with any other text in the **subject** and **body** text.

{Project name}: The custom name of the project which is configured in the Browser settings. See

{Date time}: Date and time for occurrence of an event.

{Event type}: Type of alarm, i.e. pre-warning, heavy smoke etc.

{De-activate state}: Show if the alarm goes back to normal state for pre-warning or the alarm point is reset.

{Presentation information}: The presentation number i.e. Zone-address.

{Text message}: The user definable **alarm text** shown in the fire alarm system CIE displays, for the alarm point respectively.

{Web link URL}: The links associated with an alarm-point.

{**Browser URL**}: The URL to access the Web-server.

6.1.6.3.2 Disablement e-mail

The following parameters can be used in the **subject** and **body** text.

{**Project name**}: The custom name of the project which is configured in Browser settings.

{**Date time**}: Date and time for occurrence of an event.

{**De-activate state**}: Show if the disablement is re-enabled.

{**Text message**}: The **disablement text** shown in the fire alarm system CIE displays.

{**Web link URL**}: The links associated with an alarm-point.

{**Browser URL**}: The URL to access the Web-server.

6.1.6.3.3 Interlocking e-mail

{**Project name**}: The custom name of the project which is configured in Browser settings.

{**Date time**}: Date and time for occurrence of an event.

{**Event type**}: Type of activation, i.e. INPUT, OUTPUT, or INPUT/OUTPUT activation.

{**De-activate state**}: De-activation of interlocking.

{**Presentation information**}: The presentation number i.e. Area-Point.

{**Text message**}: The user definable **interlocking text** shown in the fire alarm system CIE displays.

{**Browser URL**}: The URL to access the Web-server.

6.1.6.3.4 Fault e-mail

{**Project name**}: The custom name of the project which is configured in Browser settings.

{**Date time**}: Date and time for occurrence of an event.

{**De-activate state**}: Show if fault is serviced.

{**Presentation information**}: The presentation number i.e. Technical number or/and Zone-address.

{**Text message**}: The **fault text** shown in the fire alarm system CIE displays, for the fault respectively.

{**Web link URL**}: The links associated with an alarm-point.

{**Browser URL**}: The URL to access the Web-server.

6.1.6.3.5 Service / Contamination e-mail

{**Project name**}: The custom name of the project which is configured in Browser settings.

{**Date time**}: Date and time for occurrence an event.

{**De-activate state**}: Show if service signal is acknowledged.

{Presentation information}: The presentation number i.e. Zone-address.

{Web link URL}: The links associated with an alarm-point.

{Browser URL}: The URL to access the Web-server.

6.1.6.3.6 Test Mode e-mail

{Project name}: The custom name of the project which is configured in Browser settings.

{Browser URL}: The URL to access the Web-server.

Note: The body text will automatically also show a list of the tested alarm points.

6.1.6.3.7 Technical Warning e-mail

{Project name}: The custom name of the project which is configured in Browser settings.
See 6.1.2.1.

{Date time}: Date and time for occurrence of an event.

{De-activate state}: Show if technical warning is serviced.

{Text message}: The technical warning text shown in the fire alarm system CIE displays, for the technical warning respectively.

{Browser URL}: The URL to access the Web-server.

7 Software and Configuration

The EBLWeb mainly consists of two parts that need to be downloaded into Web-server II 1598, to be fully functional.

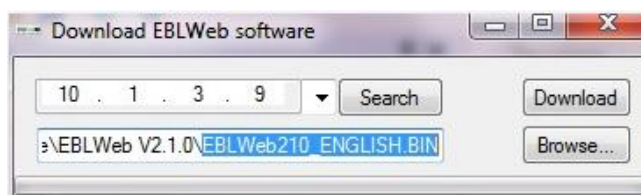
- The software package (EBLWeb210.BIN)
- The Web-server configuration data and the Firetracker system SSD.

7.1 EBLWeb Software Package


The software package consists of all necessary files and configurations to make EBLWeb function as default, without any specific configuration. The specific language of preference is included in this package.

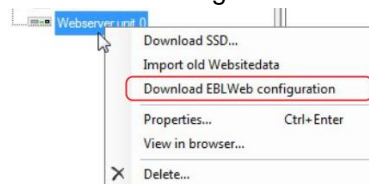
7.1.1 Download



1. Click **Download EBLWeb software** from the Tools menu of EBLWin 2.1.x.



All available Web-servers must be configured with an IP address. If the IP address does not show up automatically, it might mean that it was not configured correctly. In this case, try these steps in this order:

- A) Right click on the Web-server and choose "Download EBL Web configuration" from the context menu. This checks for the existing Web-server configuration if any was set.
- B) Return to Download EBLWeb software and click  to look for all available Web-servers in the current network, and select the corresponding IP address for the software download. If the IP address was not listed, either repeat or check through the procedures under Quick Start in Section 3 from steps 11) to 15).



2. Once the IP address is displayed, click  to locate the software package (EBLWeb210.BIN) that should be downloaded.
3. Then click , an FTP window will open asking for User and Password. By default, it is:

Username: ftp
Password: ftp

Once the download is completed, a restart is required before the new software takes effect. This should take no more than 90 seconds. A pop-up dialog will ask if the user wants to download configuration data before doing a restart. Once restarted the Web-server will work as default without any specific configuration i.e. any previous IP addresses, Gateway, and Netmask set will return to default values. Follow steps 11)-15) under Section 3.2 page 11 to reconfigure.

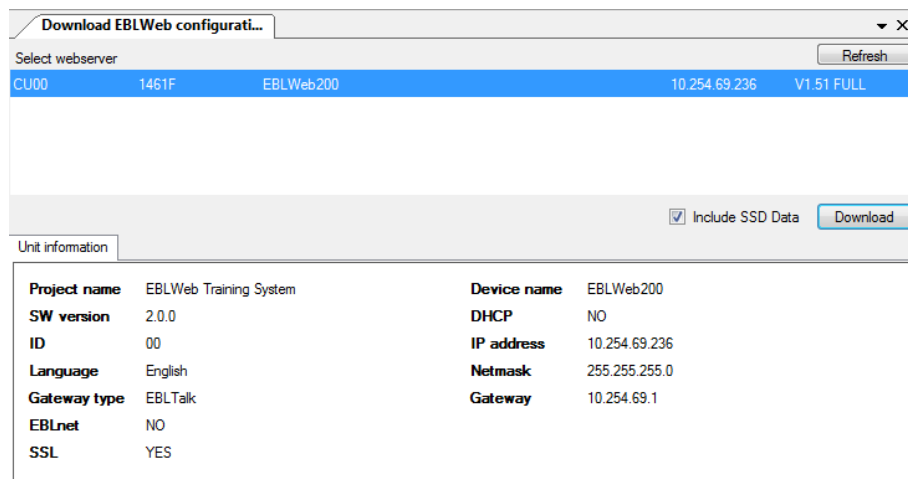
7.2 EBLWeb Configuration Data

The configuration data consists of the specific settings that are made via the Web-server properties. When the configuration data is downloaded, it will also include a backup of the configuration that can be retrieved with via upload.

7.2.1 Download

Click **Download EBLWeb configuration** from the Tools menu of EBLWin.

The Web-server list in the top only shows all Web-servers that are configured with a valid hardware ID and connected to the LAN. Select a Web-server for download of configuration data.



Select webserver				
CU00	1461F	EBLWeb200	10.254.69.236	V1.51 FULL

☒ Include SSD Data

Unit information

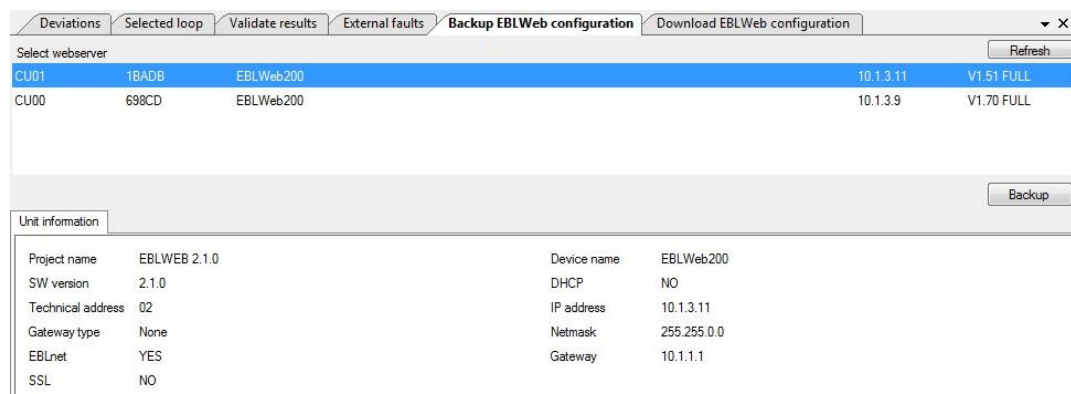
Project name	EBLWeb Training System	Device name	EBLWeb200
SW version	2.0.0	DHCP	NO
ID	00	IP address	10.254.69.236
Language	English	Netmask	255.255.255.0
Gateway type	EBLTalk	Gateway	10.254.69.1
EBLnet	NO		
SSL	YES		

7.2.2 Backup (Upload)

Backup of configuration data can be performed by clicking on **Backup EBLWeb configuration** in Tools menu.

The backup dialog is similar to the download dialog. It requires an added Web-server in tree view with a valid hardware ID that would be shown in the Web-server list. This is where the backup configuration be stored once uploaded.

For more than 1 Web-servers in the network, remember to click first before clicking on . The Web-server should be listed and selected before clicking on .



Select webserver				
CU01	18ADB	EBLWeb200	10.1.3.11	V1.51 FULL
CU00	698CD	EBLWeb200	10.1.3.9	V1.70 FULL

Unit information

Project name	EBLWEB 2.1.0	Device name	EBLWeb200
SW version	2.1.0	DHCP	NO
Technical address	02	IP address	10.1.3.11
Gateway type	None	Netmask	255.255.0.0
EBLnet	YES	Gateway	10.1.1.1
SSL	NO		

7.3 Site Specific Data (SSD)

Site Specific Data (SSD) is user configurable data from the EBLWin that is used in the Firetracker system including all control units. This data includes specific data such as, **user data** and **alarm points** in the system, etc. This SSD needs to be downloaded into the Web-server as well, since the EBLWeb needs the user data for its user handling system, and also for keeping track of how many control units the Firetracker system consists of.

The download of SSD data can be done in three ways.

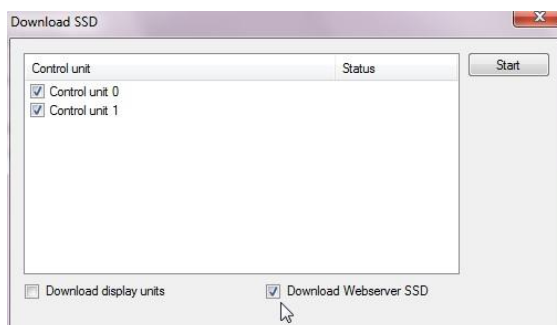
- Via download of configuration data.
- Via download of SSD for control units.
- Via individually download for each Web-server.

7.3.1 Download via Configuration Data

This is done by checking the box **Include SSD Data** via the download of EBLWeb configuration dialog.

7.3.2 Download via Download SSD for Control Units

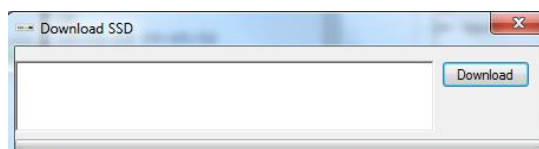
When downloading SSD for control units in EBLWin, there is a choice to **Download Web-server SSD** in the dialog box. This command is selected from the EBLWin menu Tools>Download SSD²². If the checkbox for ☒ Download Webserver SSD is ticked, the SSD will be downloaded for each connected Web-server in each control unit.



Note: EBLWin has to be logged on to the Firetracker system.

7.3.3 Download via Individual Menu

The SSD can be specifically downloaded to each Web-server by right-clicking in respective Web-server and select **Download SSD...** in the context menu.



Note: EBLWin has to be logged in on the Firetracker system.

²² Not to be confused with the context menu on the Web-server (right-click on Web-server) in the tree menu and selecting Download SSD. This context menu will only download the Web-server's SSD.

8 Installation / Commissioning

Web-server II (1598) is used in the FT1020G3 system or FT128. It is intended for indoor use and in dry premises.

The Web-server is mounted vertically on a 35 mm DIN rail inside the CIE.



**RS232
CONNECTOR**

One 0.65mm² RS232 cable with a 3 way Molex plug is supplied, to connect the Web-server II to the FT1020G3 CIE main board "J7" or to FT128 main board "J5". Refer to the block wiring diagrams in Figure 4 for CIE Main Board specific connections. On the Web-server plug-in connector PLC COM (RS232C), there are screw terminals for the yellow, green and black wires. (Refer to Figure 2 page 10)

One 0.65mm² power supply cable is supplied. Plug this connector with the black EMI filter (see Figure 3) into the Web-server II power supply header. The stripped end of this power cable connects to the screw terminals on the FT1020G3 CIE main board or to FT128 main board connector "J4". For terminations, refer to the respective connection diagram in Section 9.

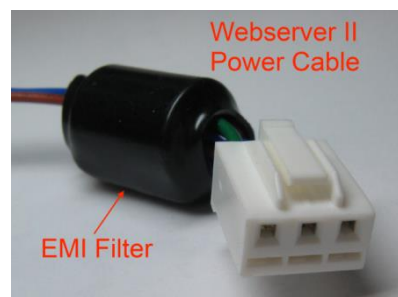


Figure 3 EMI Filter on Web-server power cable



**RJ45 ETHERNET
CONNECTOR-
not supplied**

The Web-server II also has a RJ-45 connector for a standard Ethernet CAT.5 cable used for connection to the Internet / an intranet (LAN). (This cable is not supplied.)

The Web-server has a 9-Way male "D" connector MODEM COM. (RS232C) port. This is used to connect from the Web-server II to a separate PC system, etc. e.g. when one of the gateway functions is used. (This cable is not supplied.)

**RS232 D-Range (for
Gateway Function)-
not supplied**



8.1 LED Indicators

There are three LED indicators on the Web-server II:

- **POWER:** Indicating that the power supply is connected and is working.
- **COM:** Indicating:
 - Ethernet connection (continuously)
 - Ethernet data exchange (blinking)
- **COM:** Not used.

9 Connection Diagrams

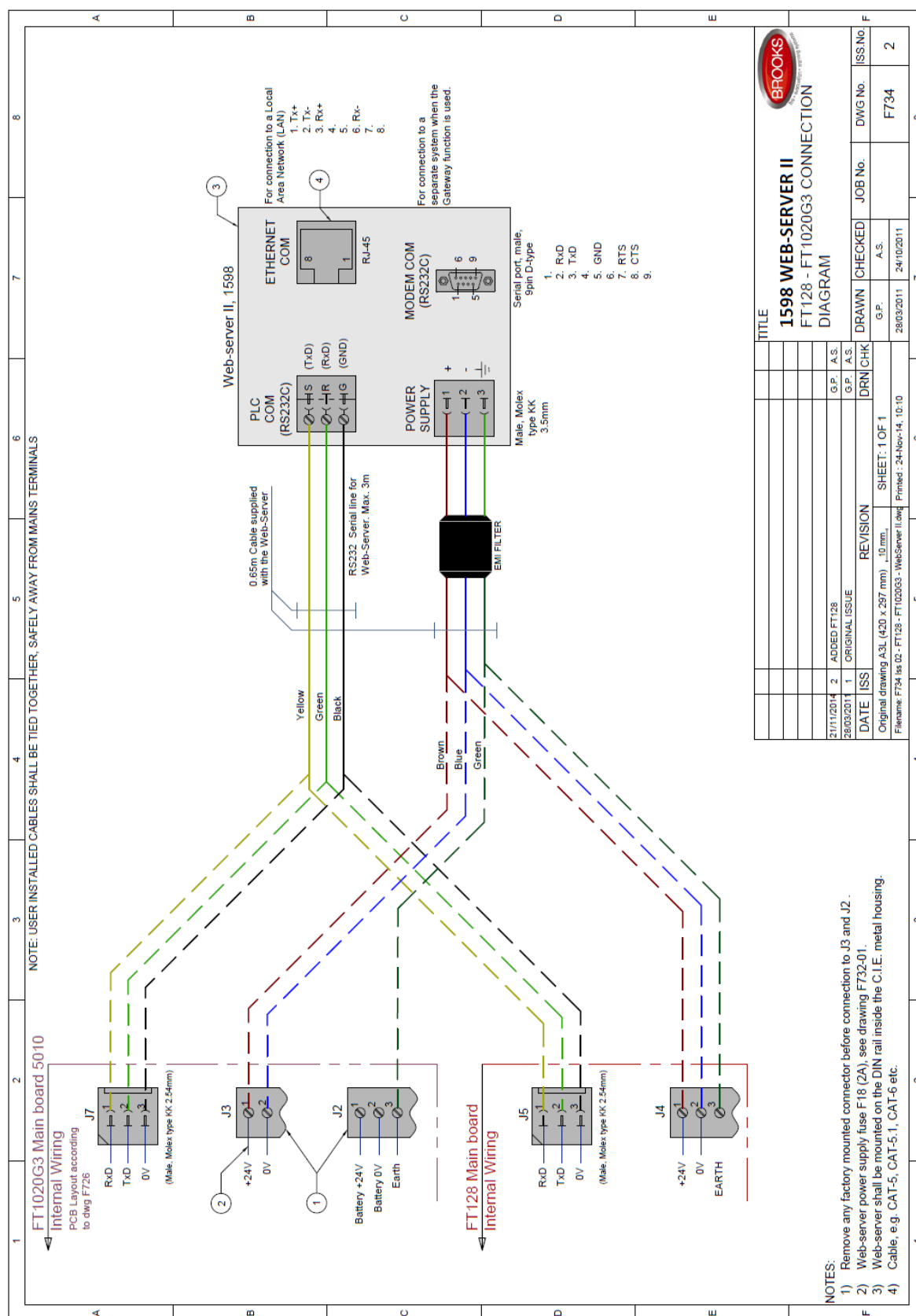


Figure 4 1598 WEB-SERVER II installed to FT1020G3

Liability Disclaimer

This product should be correctly configured and installed to suit the site specific application to ensure fire safety.

Brooks shall under no circumstances be liable for any incidental or consequential damages arising from loss of property or other damages or losses owing to the failure of Brooks products beyond the cost of repair or replacement of any defective products.

Brooks reserves the right to make product improvements and change product specifications at any time. While every precaution has been taken during the preparation of this manual to ensure the accuracy of its contents, Brooks assumes no responsibility for errors or omissions.

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