



Secure Solutions

Installing EABR

Impro Bio Controller | Reader

PURPOSE

This document is to aid the user in getting an EABR reader up and online

CONFIGURATION

- In V2.15.04.2 or later of XTime 900, after get upgrade queries has been run to insert the unit type EABR, navigate to the Controller setup screen:

The screenshot shows the 'Controller Config' interface. The 'Controllers' dropdown is set to '46 - EABR ImproBio'. The configuration fields are as follows:

Company	1 G4S Test Company
Controller Server	DTECW061
Controller Engine	1 Test Board
Name	46 - EABR ImproBio
Fixed address	B8CCE1DF
IP	192 . 168 . 104 . 46
Controller ID	6
Firmware Version	7.0

- 1.1. Add an EC3 controller, enter the fixed address and save. The units are set on DHCP as default so don't enter an IP address until you have set it in the config tool.
- 1.2. Save the controller and go to the terminal setup screen

2. Add a new terminal:

The screenshot shows the 'Terminals' configuration screen. The 'Terminal' dropdown is set to '46 - EABR ImproBio'. The 'Params' tab is active, showing the following configuration fields:

Company	1 G4S Test Company
Controller Server	DTECW061
Controller Engine	1 Test Board
Controller	46 - EABR ImproBio
Name	46 - EABR ImproBio
Unit type	EABR
Clock Point	46 - ImproBio EABR
Function	Access
Direction	In
Fixed address	B8CCE1DF
Version	
Events and Actions	<input type="checkbox"/>
Enabled	<input checked="" type="checkbox"/>

Additional information displayed: Term Id : 1(01) 01010601, On Site

2.1. Select the Ec3 controller setup in point 1. Select Unit type EABR. Ensure to add the fixed address on the terminal as well. Select enabled and save.

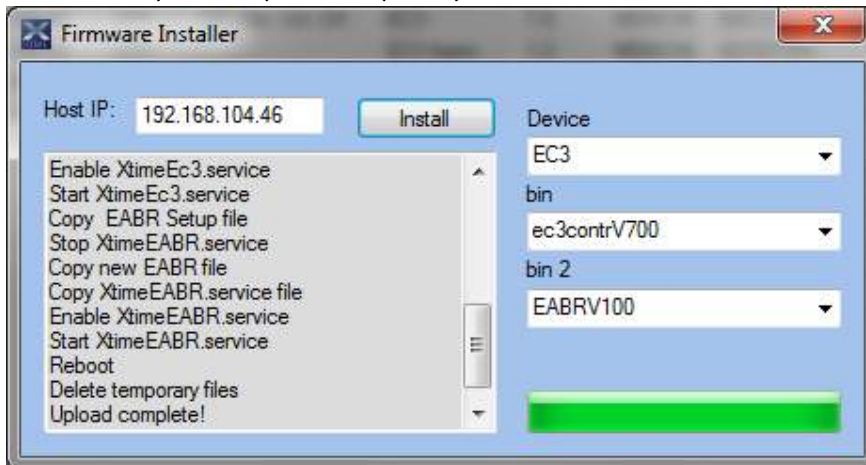
3. Open Config tool V2.15.04.2 or later. You will see the controller has picked up a DHCP address with no server (The ECII Impro will show as EC3)

01	192.168.104.43	OFF	ECII Impro ...	1.2	MEM OK	6E0051B9	OFF
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3.1. Select the controller by clicking once on it to highlight it blue and then click Install firmware at the bottom right of the screen under Commands:



3.2. The device and first bin will automatically be selected, in the second bin select the EABRV1nn and click install. Once you see Upload complete, you can close the Firmware installer:



3.3. When the unit comes back online and displays in the Config tool again, you will see that there is a IP address in the Server IP field. Before you change any settings, load the graphics by clicking on the Install graphics under Commands:

00	192.168.104.228	ON	172.18.19.50	EC3	7.0	MEM OK	B8CCE1DF	OFF
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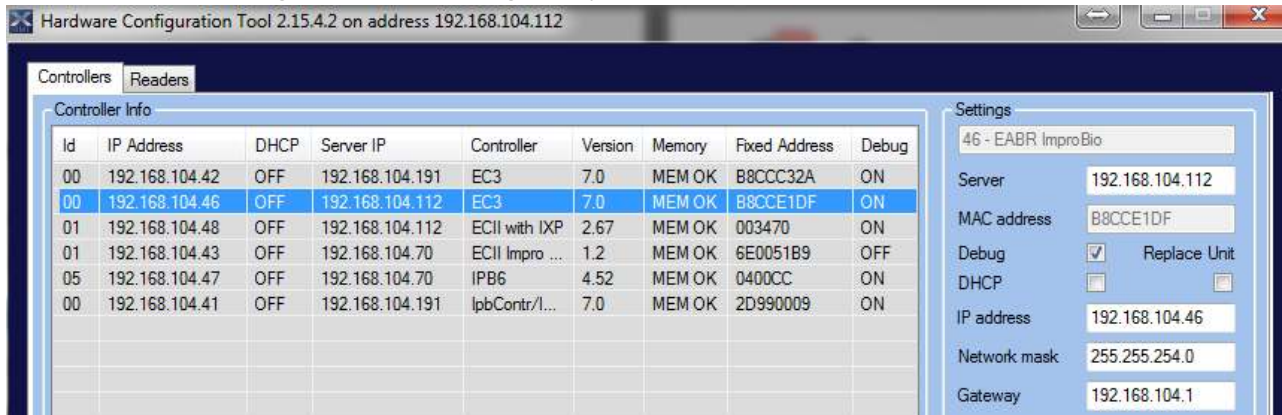


When you see Upload complete! In the message window, you can close the Graphics installer.

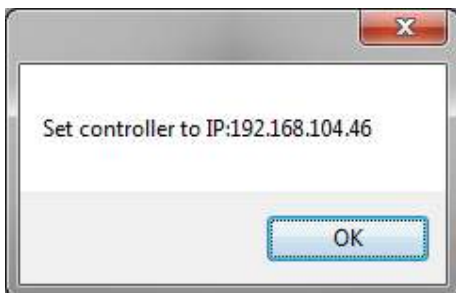


Once the graphics are installed, the reader will reboot again. Now you can ensure that the settings in the config tool correspond with those in XTime.

4. Highlight the controller again, and check that the details are correct by changing the Server IP, and taking the unit off DHCP and setting the IP, subnet and gateway for the site:



- 4.1. Once you have corrected all the settings, click on the set controller button under commands. A confirmation message will appear, click on OK



- 4.2. The controller will reboot. When it appears again the settings will be correct.

00	192.168.104.46	OFF	192.168.104.112	EC3	7.0	MEM OK	B8CCE1DF	ON
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5. Click on the readers tab:

With the new multithreading firmware, the controller and reader are separate entities. This means that the reader can be pointed to another controller, or other readers can be pointed to this reader's controller. When the Controller IP is 127.0.0.1, it means that it is running on its own controller. To point it to another controller, simply select the reader and edit the Controller IP address and change to the other controller. Then click on the set reader button under commands. Ensure that the terminal LA is 01, otherwise if it is pointing to its own controller, it will not come online if the LA is not 01. It can be set to any other LA if pointing to a different controller.

The screenshot shows two panels. The 'Reader Info' panel contains a table with the following data:

LA	IP Address	DHCP	Controller IP	Reader	Version	Fixed Address
01	192.168.104.41	OFF	192.168.104.41	lpb7Reader	2.3	2D990009
01	192.168.104.46	OFF	127.0.0.1	EABR	1.0	B8CCE1DF
01	192.168.104.42	OFF	192.168.104.42	EABR	1.0	B8CCC32A

The 'Settings' panel on the right shows configuration for the selected reader (LA 01):

- Reader LA: 01
- Controller IP: 127.0.0.1
- Fixed address: B8CCE1DF
- DHCP:
- IP address: 192.168.104.46
- Network mask: 255.255.254.0
- Gateway: 192.168.104.1

Once the controller side is set, select the reader and click set reader to ensure that its settings are saved. The controller will reboot.



6. Ensure that you are running V2.15.04.2 or later of the controller interface. Run the dashboard to ensure that your controller and reader are online:

The dashboard shows the following information:

- DB interface: 11/06/2015 21:58:45.462
- Write point: 20150611-520
- Server: 192.168.104.112
- Connected: Yes
- Read: 11/06/2015 20:56:27
- Status: Idle
- Port: 32766
- Version: XTControllerInterfaceService.exe 2.15.4.2

Server details for 192.168.104.112:

- Engine Name: 1 Test Board
- Server Version: XTControllerInterfaceService.exe 2.15.4.2
- Controller Id: 06
- Name: 46 - EABR ImproBio
- Address: 192.168.104.46
- Status: Up
- Version: 7.0
- Status time: 11-06-2015 21:58:41
- Model: EC3
- Connected: None

Terminal logs (Interface tab):

Contr	Address	Message	Date no	Sequence	Table	Tran Time
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:27.613
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:30.853
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:33.884
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:36.945
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:39.895
06	192.168.104.46	midStatusReport	0	0		2015-06-11 21:58:42.055
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:42.935
06	192.168.104.46	MidNewDBUpdReq	20150611	520		2015-06-11 21:58:45.912

Controller details for Id 06:

- Controller Id: 06
- Name: 46 - EABR ImproBio
- Version: 7.0
- Model: EC3
- Address: 192.168.104.46
- Status: Up
- Status time: 11-06-2015 21:58:41
- Connected: None

Summary table (Interface tab):

Status	Id	Name	Version	Fixed Addr	Type
✓	1	46 - EABR ImproBio	1.00	B8CCE1DF	EABR



Clocking for Employee:

Employees

Find By Emp No

DEVTEST01 Blue (Feeling) F

General Personnel Access Groups **Clocks** Pay History Post Dates Hostel Tags
Finger prints Equipment Service History Assets allowed Allowances Offenses

From Date To Date

Date	Time	Dir.	Reader	Response	Reason
2015-06-11	12:18:45	Out	46 - EABR ImproBio	Allowed Out	
2015-06-11	12:18:52	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:19:19	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:19:24	Out	46 - EABR ImproBio	BREATHALYZER TIMEOU	
2015-06-11	12:22:02	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:22:07	Out	46 - EABR ImproBio	BREATHALYZER TIMEOU	
2015-06-11	12:22:10	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:22:15	Out	46 - EABR ImproBio	BREATHALYZER TIMEOU	
2015-06-11	12:25:52	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:25:55	Out	46 - EABR ImproBio	BREATHALYZER FAILED	
2015-06-11	12:26:05	Out	46 - EABR ImproBio	BREATHALYZER REQUES	
2015-06-11	12:26:09	Out	46 - EABR ImproBio	Allowed Out	
2015-06-11	12:27:05	In	46 - EABR ImproBio	Allowed In	
2015-06-11	12:34:11	Out	48 - PTTA	Denied Random Search	
2015-06-11	12:34:13	Out	48 - TRT Out	Allowed Out	
2015-06-11	12:35:29	In	46 - EABR ImproBio	Allowed In	
2015-06-11	12:39:46	In	46 - EABR ImproBio	Denied Access Time	
2015-06-11	13:02:21	In	46 - EABR ImproBio	Denied Access Time	
2015-06-11	13:13:00	In	46 - EABR ImproBio	Allowed In	
2015-06-11	13:16:42	In	46 - EABR ImproBio	Denied Time or Day	
2015-06-11	13:18:00	In	46 - EABR ImproBio	Denied Time or Day	