

## **Assemble Specification for cB-RWEPAgI-02-0**

# **Assemble Specification for cB-RWEPAgI-02-0**



## Assemble Specification for cB-RWEPagi-02-0

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## **Assemble Specification for cB-RWEPAgI-02-0**

### **1 Objective**

This document is a document for assembly of a cB-RWEPAgI-02-0 product.

**Assemble Specification for cB-RWEPAgI-02-0**

## 2 Assemble overview

### 2.1 Bill of material (BOM)

#### 2.1.1 Parts included in the design

Mechanics, mounted PCB's, connectors etc. The BOM is unique for every product.

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| <b>Document name:</b>   | cB-0185 (cB-RWEPAgI-02-0) BOM                       |
| <b>Document number:</b> |                                                     |
| <b>Document file:</b>   | cBProject-0810-04 cB-0185 (cB-RWEPAgI-02-0) BOM.xls |
| <b>Revision:</b>        | 1                                                   |

### 2.2 Patches

|                              |  |
|------------------------------|--|
| <b>Document name:</b>        |  |
| <b>Document number:</b>      |  |
| <b>Document file:</b>        |  |
| <b>Revision:</b>             |  |
| <b>Time consumption [s]:</b> |  |

### 2.3 Labels

|                                 |            |
|---------------------------------|------------|
| <b>Printed label part no:</b>   | cB-7432-01 |
| <b>Printed label revision:</b>  | 1.0        |
| <b>Label document file:</b>     |            |
| <b>Label document revision:</b> |            |
| <b>Label part no:</b>           |            |

|                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>connectBlue</b> WLAN EPA<br>Ord.No.: cB-0185-01                                                                                                                                                                                                                |
| MAC-Addr: 00:12:f3:07:5b:af<br>Date: 2/09<br>This device contains FCC ID: PVH090901<br>HW rev.: 1.0 IC: 5325A-090901<br>FW rev.: 1.0                                                                                                                              |
| <br>Sno.: 0185-01-000021                                                                                                                                                     |
|    |

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### 2.4 Mechanical assemble

1. Open the test program named "cB-2150".
2. You will see a login window according to Figure 1. Select artnr cB-0185, then enter batch id, your name and press login.

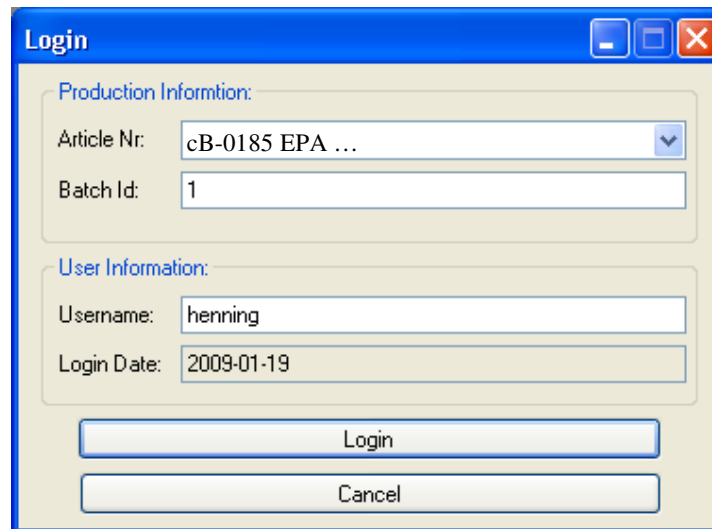
A screenshot of a Windows-style login window titled "Login". It has a blue title bar with standard window controls. The window is divided into two main sections: "Production Information:" and "User Information:". Under "Production Information:", there is a dropdown menu for "Article Nr:" showing "cB-0185 EPA ..." and a text box for "Batch Id:" containing the number "1". Under "User Information:", there is a text box for "Username:" containing "henning" and a text box for "Login Date:" containing "2009-01-19". At the bottom, there are two buttons: "Login" and "Cancel".

Figure 1 Login Window at start up

3. After the parameters are confirmed you will see a window according to Figure 2. Now attach the "EPA Tester" connector to the cB-RWEPagi-02-0 and press the "Start" button.

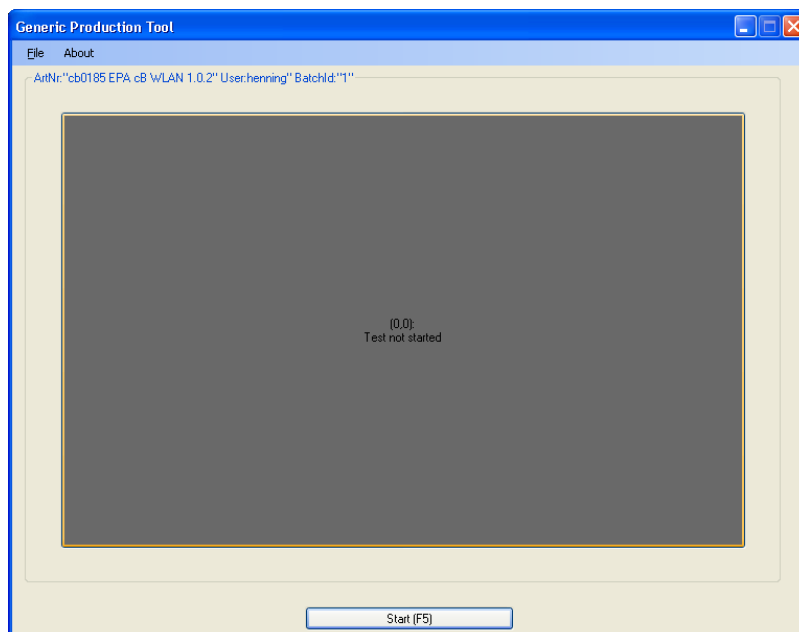


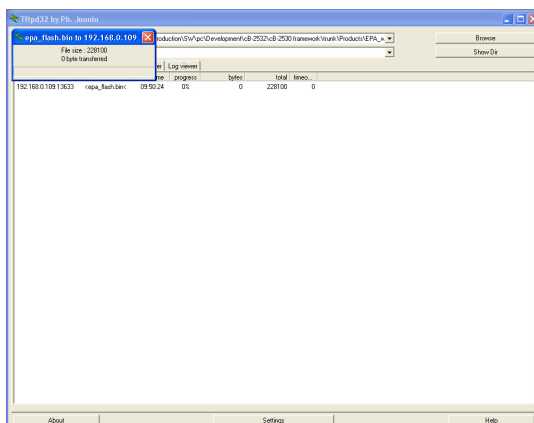
Figure 2 Main Production Window

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- At this point a new window will appear according to Figure 3. The firmware download should start automatically and when this occurs a small progress window will appear.

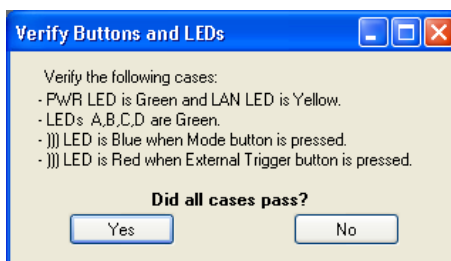
**Note 1:** For the WLAN products two files will be downloaded to the device.

**Note 2:** If the device already contains a firmware you will need to hold the button on the “EPA Tester” and re-connect the device. When the download has started the button shall be released.



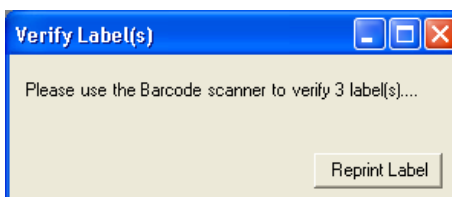
**Figure 3 Firmware download window**

- When the download is complete you will see a window according to Figure 4. Please follow the instructions by verifying all LEDs and buttons. The “External Trigger” button is located on the “EPA Tester” connector.



**Figure 4 Button and LEDs verifications window**

- If the device passed the tests three labels (cB-7432-01, BOM pos 3) will be printed and a window will appear according to Figure 5. Please follow the instructions and verify the three labels using the barcode scanner.



**Figure 5 Barcode verification window**

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7. If everything is OK you will now see a screen according to Figure 6.

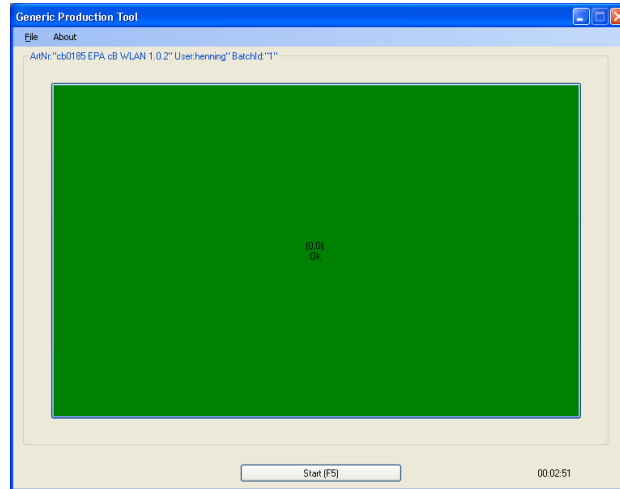


Figure 6 Status OK

8. Place the front overlay (BOM pos 2) on the plastic top housing according to Figure 7. Please place the overlay as close to the right edge as possible (see markings) in order seal the LED light pipes from leakage.

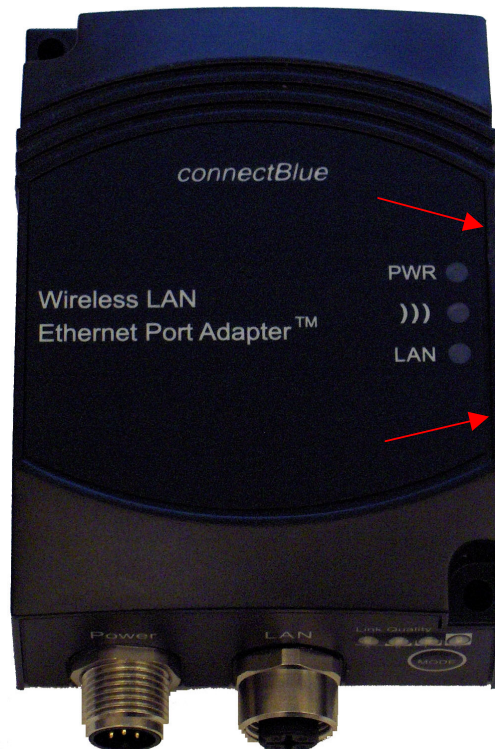


Figure 7 Front overlay mounted on the plastic housing

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- Place one of the generated labels (cB-7432-01, BOM pos 3) on the back housing according to Figure 8 and one on the side according to Figure 9. The remaining label shall be used in next production step.



Figure 8 Label mounted on the plastic housing back



Figure 9 Label mounted on the plastic housing side

- The cB-RWEPagi-02-0 is ready for the next step. To produce another device go to step 3.



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## 2.5 Application download

This step downloads the application firmware etc. to the unit.

|                              |  |
|------------------------------|--|
| <b>Document name:</b>        |  |
| <b>Document number:</b>      |  |
| <b>Document file:</b>        |  |
| <b>Document Revision:</b>    |  |
| <b>Application firmware:</b> |  |
| <b>Application Revision:</b> |  |
| <b>Time consumption [s]:</b> |  |

## 2.6 Production test

The test should be done when the test unit is completely assembled.

### 2.6.1 Test instructions

|                              |  |
|------------------------------|--|
| <b>Document name:</b>        |  |
| <b>Document number:</b>      |  |
| <b>Document file:</b>        |  |
| <b>Revision:</b>             |  |
| <b>Test software:</b>        |  |
| <b>Test software rev:</b>    |  |
| <b>Time consumption [s]:</b> |  |

### 2.6.2 Test report

Detected errors from the test phase are logged in a test report, the test report could be located at the production company or the information is from the production company.

|                         |  |
|-------------------------|--|
| <b>Document name:</b>   |  |
| <b>Document number:</b> |  |
| <b>Document file:</b>   |  |
| <b>Revision:</b>        |  |