

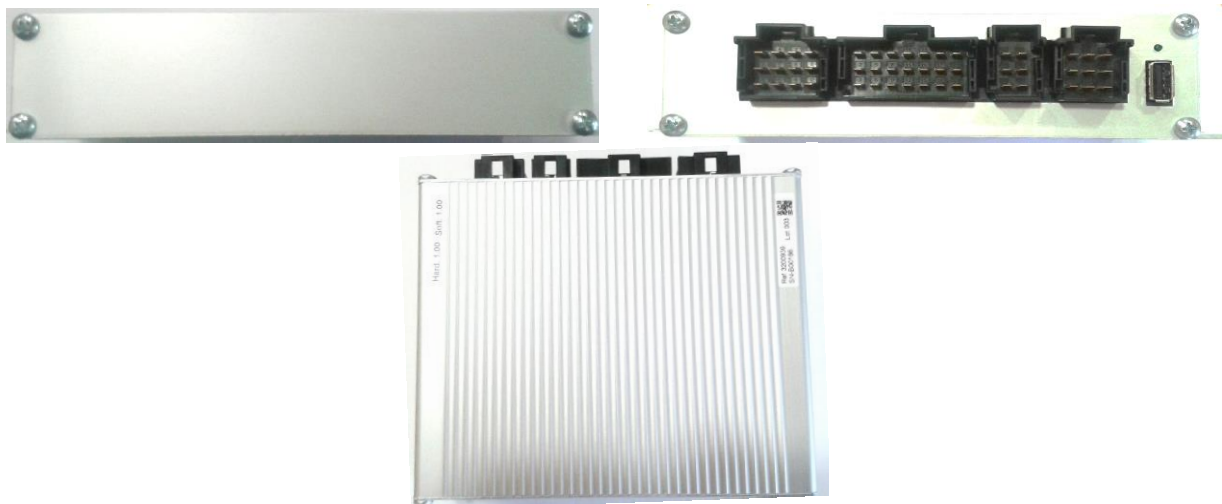
## Ecomaster Clima II Software update

### Aim

The aim of these instructions is to set out the correct procedure for updating the software in the new Ecomaster Clima II controls range. Part references 3200939 y 3200940.



**Ecomaster Clima II Display PN° 3200940**



**Ecomaster Clima II CPU PN° 3200939**

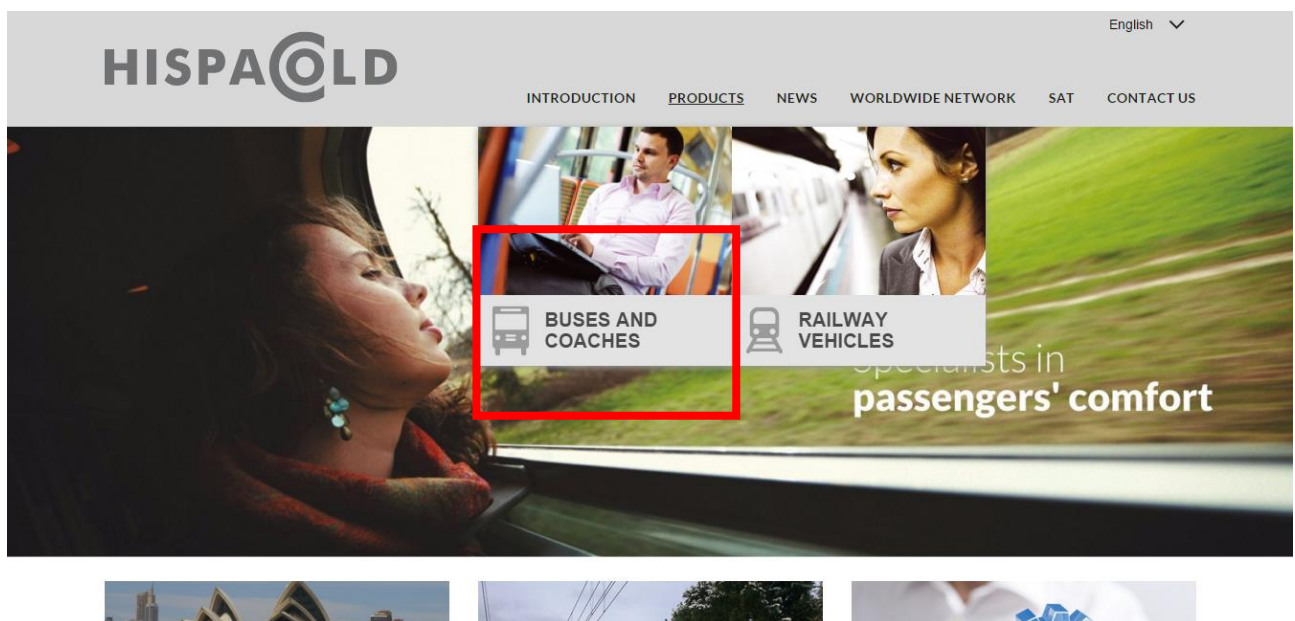
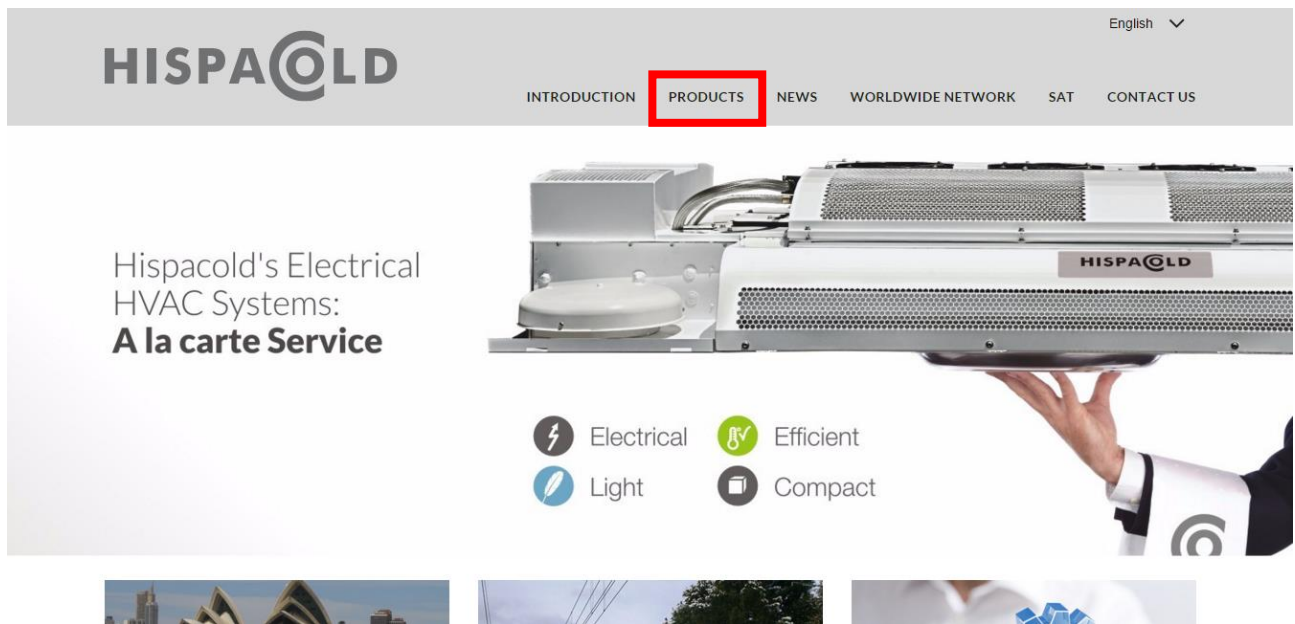
## Ecomaster Clima II Software update

### Procedure description.

#### 1. Download the latest version of the software from Hispacold's website.

1.1. Go to <http://www.hispacold.es/>

1.2. Go to "Products" section



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### 1.3. "Components" section

The screenshot shows the Hispacold website navigation menu with 'COMPONENTS' highlighted in a red box. Below the navigation, there is a section for 'BUSES AND COACHES' with a sub-menu. The 'HVAC SYSTEMS LOCATOR' tool is visible, featuring dropdown menus for 'TYPE OF VEHICLE', 'LENGTH', and 'OUTSIDE TEMPERATURE'. Below the tool, there are tabs for 'L SERIES', 'N SERIES', 'S SERIES', 'A SERIES', and 'ELECTRICAL'.

### 1.4. "Control panels" section







The screenshot shows the Hispacold website's 'BUSES AND COACHES' section. The 'COMPONENTS' menu item is highlighted in red. Below it, there are several product categories with images and descriptions: 'Compressors', 'Central Heating', 'Control panels', and 'Driver Comfort Unit'. The 'Control panels' category is highlighted in red. Each category includes a 'More info' button.

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### 1.5. Download the update file available for the Ecomaster Clima II range

SPARE PARTS

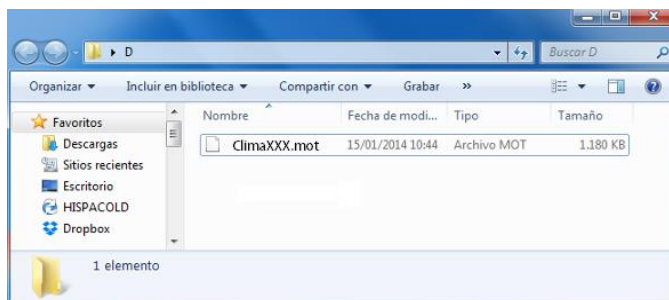
Components

	<b>Ecomaster BASIC</b> It controls air conditioning at the passengers' area.	User manual
	<b>Ecomaster BASIC D</b> It controls heating at the driver's area.	User manual
	<b>Ecomaster BASIC DAH</b> It controls the driver's additional heating in extremely cold weather.	User manual
	<b>Ecomaster CLIMA</b> It regulates the thermal sensation inside the vehicle at the passengers' area, getting the desired temperature regardless the outside atmospheric conditions.	<b>Software Update</b> Manual Updating User manual
	<b>Ecomaster COMFORT</b> Top range automatic control that regulates comfort inside the bus, not only at the driver's zone, but also at the passengers' area.	Software Update Manual Updating User manual
	<b>IRICOMFORT</b> Top range automatic control that regulates comfort inside the bus, not only at the driver's zone, but also at the passengers' area.	Software Update Manual Updating User manual

## 2. Save the downloaded file to a USB flash drive with a capacity not larger than 32 GB

2.1. Use a USB flash drive with FAT or FAT32 formatted that can be used solely for this file. The flash drive should not contain any other files; only the update file in the root folder of the device.

The downloaded file should have the following format type: **ClimaXXXXXX.mot**. Being XXXXXX a consecutive alphanumeric code that should correspond with the new software version of this product.



Maximum capacity of USB pen drive: **32GB**

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### 3. Updating the passenger node .

#### 3.1. Starting point:

3.1.1. The CPU should only be powered with the main switch signal (MCS), Ignition switch must be Off for this operation. Control panel will display as shown (fig1):



Figure 1: Start-up screen

### 4. Updating the Node.

Only CPU (PN° 3200939) can be updated in the Ecomaster Clima II controls

#### 4.1. Updating the CPU:

4.1.1. Unplug the 12 pin power supply connector. Then wait for 5 seconds before continuing.



Unplug the 12 pin.  
Connector and wait 5  
seconds

4.1.2. Keep the 12 pin connector unplugged and Insert the flash drive into the USB port of the passenger unit (PN° 3200939)



Insert flash  
drive

12 pin connector  
unplugged

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4.1.3. Plug the 12 pin power supply connector back in. Then wait for at least 1 minute.



Plug 12 pin connector back in and wait for 1 minute

This will automatically initiate the software upload. Control panel will display the message "WAITING MASTER"




Note: Since product version HW 1.01, the passenger node is equipped with a green LED next to the USB port. This LED will be ON while software is being uploaded and will turn off once the upload is complete.

After 1 minute has passed and with LED Off (product version HW 1.01 or superior), check that control is displaying the message OFF (fig.1) and remove the USB flash drive from CPU.

4.1.1. Once USB flash drive has been removed, unplug again the 12 pin power supply connector and keep it unplugged for at least 5 seconds. Then plug back in the power supply connector before checking that software was correctly uploaded.

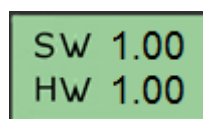
### 5. Checking the update.

4.1. Enter diagnosis mode to check that the software was successfully updated. Software version should match with the name of the update file.

Enter diagnosis mode by pressing keys  +  + 

Once in diagnosis mode, scroll through the different options until Versions are displayed

Example: Update file: **Clima100.mot**



Software **SW 1.00** will be displayed, if software *Clima100.mot* was correctly uploaded