



ECOLOGICAL COOLERS

# INTELLIGENT PLUS

User's Manual

[www.viesa.ca](http://www.viesa.ca) / 1-888 438-8444



## **IMPORTANT**

Installation requires an experienced mechanic with specific knowledge in the installation of the VIESA Ecological Cooler. Installation, disassembly, repairs and maintenance must be performed by an Authorized Installer. Authorized Installer must use proper protective equipment when installing the system.

Improper installation or use of unauthorized parts can cause malfunctions, loss of battery life or other consequences which may result in serious injury.

Manufacturer or Distributor will not be responsible for injuries or damages resulting from misuse of equipment, use contrary to operating instructions or installation by any person other than an Authorized Installer.

Information contained in this manual is subject to change. Manufacturer reserves the right, without notice, to make changes in equipment design or components as progress in engineering, manufacturing or technology may warrant.

World-wide Patents

VIGIA is a trademark of Col-Ven S.A.

## Function

VIESA Intelligent Plus is a roof mounted cab cooler that delivers cool air to the truck's cabin using evaporative cooling and without running the truck's engine.

## Operation

Cooling is generated by vaporized cool water delivered by a self-contained electrical motor. During operation it only consumes water and it makes no use of internal combustion engines, nor does it use chemical coolants or emit gases into the atmosphere. The unit is equipped with a water pump located in an auxiliary tank which takes water to the evaporator. A biturbo blower pushes the exterior air to the interior of the truck forcing the air through the evaporator and therefore cooling the warm air. The exceeding water backs to the water tank.

## Application

Applied to any vehicle withan operating voltage of 12 V.





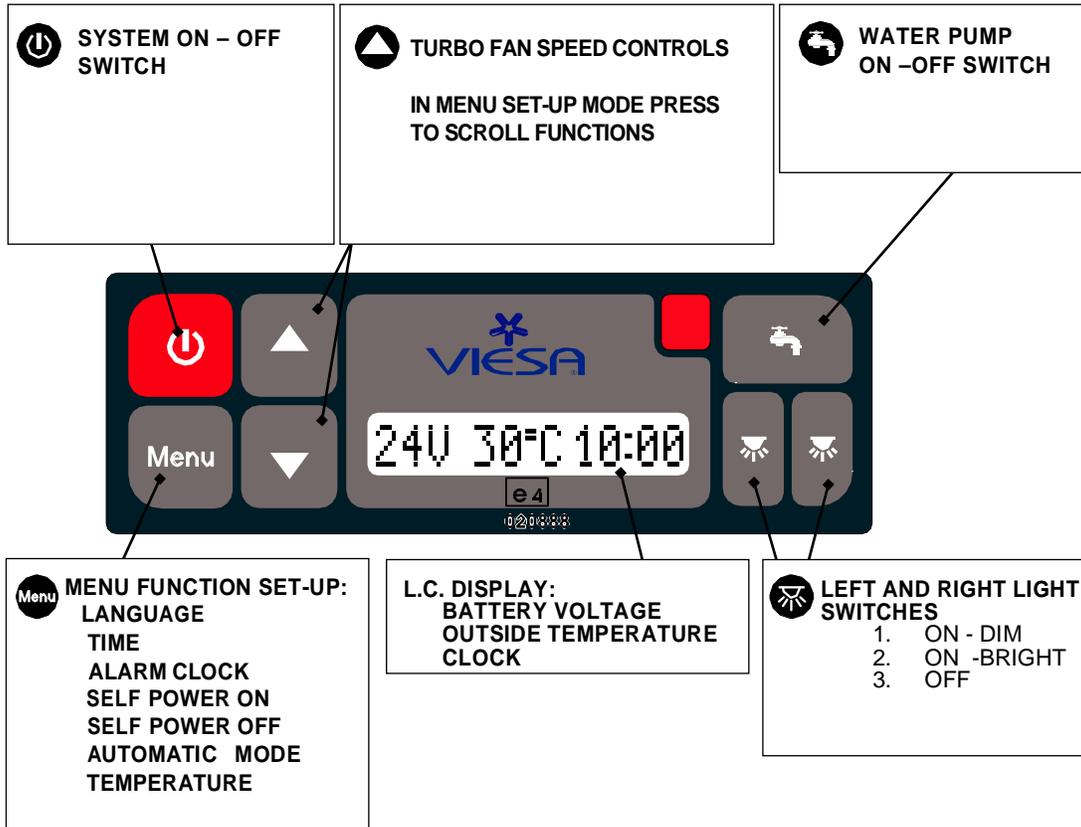
## BOARD INDICATIONS

Important: before switching on the equipment:

With parked vehicle: Open one of the windows 2 to 3 cms.

With the vehicle in motion: Open one of the windows 2 to 3 cms and close all other air entrances to the cabin so that hot air does not enter from exterior.

## BOARD



Note: time is expressed in 24H mode.

Keys must be held pressed for  $\pm$  1 second

A beep will be heard every time a key is pressed

By default, language is ENGLISH, time is in 24H format and temperature is shown in °C.

## REMOTE CONTROL

Performs all the functions explained before, except when the equipment is off.

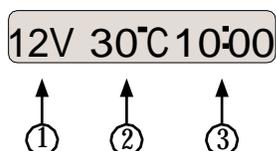
- Keep the batteries of the remote control away from children. Wrong use may cause fire or burns. Do not recharge or heat batteries. Dispose dead batteries according to local laws. Replace batteries with the same type (AAA).

- Batteries may explode if not correctly inserted. Immediately dispose of dead batteries. Do not throw them into fire.



## DISPLAY INDICATIONS

### Permanent Information



- ① Battery voltage
- ② External temperature: °C or °F
- ③ Clock: 24H (24 hours) or 12H (AM/PM)

### Language Selection

Press the  button. The display will show .

Wait for 3 seconds, the word  will appear.

Select language by pressing the  or  key.

English		French	
Portuguese		Germany	
Italian		Spanish	
Dutch			

New language is stored after the desired language is selected and no other key is pressed for 3 seconds.

### Example to select Spanish language:

Press the  button. The display will show . Wait for 3 seconds, the word  will appear.

Press the  or the  key until the display shows . Wait for 3 seconds. Spanish language is now stored.

**Important:** If the Viesa system is disconnected from the vehicle's battery, all set-up functions will revert to default.

Please refer to the list below to change LANGUAGE to ENGLISH

English	LANGUAGE	French	LANGUE
Portuguese	LINGUA	German	SPRACHE
Italian	LINGUA	Spanish	IDIOMA
Dutch	TAL		

### Turbo Fan

FAN ON 03

By pressing the ON-OFF switch,  turbo fan and water pump are activated.

The L.C. display will show FAN ON and speed.

FAN ON 05

There are 8 fan speeds which can be selected by pressing the   keys.

FAN OFF 05

By pressing again the ON-OFF switch,  the system will turn off.

### Water Pump

PUMP OFF

The water pump will be disconnected by pressing the  key.

PUMP ON

The water pump will re-connect when pressing the  key again.

**Note:** The key  will connect or disconnect the water pump even if the system is off.

WATER TANK EMPTY

If the water tank is empty the pump will not operate and a message and sound alarm will result.

To turn off the alarm and message add water to the tank or press the water  pump key.

**Important:** Alarm and message will disappear approximately 3 minutes after water is added to tank.

## PUMP DISCONNECT

If the water pump is disconnected, a message and sound alarm will result.

Alarm and message will disappear as soon as the pump is re-connected or the pump on-off  switch is pressed.

**Important:** “WATER TANK EMPTY” and “PUMP DISCONNECT” messages and alarm will only appear with the water pump ON.

## Light Control

Every time the light switch  (left or right) is pressed, the corresponding light changes according to the following cycle: ON dim - ON bright - OFF.

## FUNCTIONS

To set-up menu functions, press the menu key  and scroll to the desired function. Wait for 3 seconds on the selected function and the programming mode will start.

- Language (see Language Selection before)
- Time
- Alarm clock
- Self power on
- Self power off
- Automatic mode
- Temperature

## Time Setting

Select this function with the menu  key and wait for 3 seconds. The following explanation is for 24H mode.

SET TIME

24H 00 00

The 24H mode flashes, press the  key if you want the 12H mode instead.

24H 00 00

The hour flashes, press the   keys to set the hour.



Wait for 3 seconds or press the menu  key to move to minutes.

Press the   keys to set the minutes and wait 3 seconds or press the menu  key to finish.

**Note:** To fast-scroll press and hold the up or down key.  

## Alarm Clock

To set the alarm clock, select this function with the menu key  and wait for 3 seconds.

The following explanation is for 24H mode



The hour flashes, press the   keys to set the hour.



Wait for 3 seconds or press the menu key  to move to minutes.

Press the   keys to set the minutes and wait 3 seconds or press the menu  key to finish.

**Note:** To fast-scroll press and hold the up or down key.  



If the alarm clock is active, a flashing “d” will appear instead of the semi-colon in the L.C. display clock.

**Important:** While the alarm clock is active, all other alarm sounds are cancelled. LCD messages will continue.

**Note:** When the alarm clock is activated, both system lights will turn on automatically in the dim position for one minute and then turn off. To switch lights off immediately, press any key on the control panel or remote control and use the  key.



In 24H mode, the alarm clock is cancelled by entering zero values for hours and minutes.



In 12H mode, the alarm clock is cancelled by entering "a12:00".

**Note:** The alarm clock cannot be set to "00:00" or "a12:00".

## Self Power On

This function allows turning the system on automatically at a predetermined time. The following explanation is for 24H mode. Select this function with the menu key  and wait for 3 seconds.





The hour flashes, press the   keys to set the hour.



Wait for 3 seconds or press the menu key  to move to minutes.

Press the   keys to set the minutes and wait 3 seconds or press the menu  key to finish.

**Note:** To fast scroll press and hold the up or down key.  



If self power on is active, a flashing “e” will appear instead of the semi-colon in the L.C. display clock.

**Note:** When both alarm clock and self power on are active, “d” and “e” will flash alternatively.



In 24H mode, self power on is cancelled by entering zero values for hours and minutes.



In 12H mode, self power on is cancelled by entering “a12:00”.

**Note:** Self power can be programmed even with the system turned off.

## Self Power Off

This function allows turning the system off automatically at a predetermined time. The following explanation is for 24H mode. Select this function with the menu key  and wait for 3 seconds.




The hour flashes, press the   keys to set the hour.



Wait for 3 seconds or press the menu key  to move to minutes.

Press the   keys to set the minutes and wait 3 seconds or press the menu  key to finish.

**Note:** To fast scroll press and hold the up or down key.  



If self power off is active, a flashing “a” will appear instead of the semi-colon in the L.C. display clock.

**Note:** When alarm clock, self power on and self power off are all active “a”, “d” and “e” will flash alternatively.



In 24H mode, self power off is cancelled by entering zero values for hours and minutes.



In 12H mode, self power off is cancelled by entering “a12:00”.

**Note:** Self power can be programmed even with the system turned off.

## Automatic Mode

This function automatically adjusts the turbo fan speed to the temperature outside the vehicle.



Select this function with the menu key  and wait for 3 seconds.



If automatic mode is active, a flashing  will appear to the left of temperature in the L.C. display.



Pressing the system on-off switch  will cancel automatic mode and turn the turbo fan off.

**Note:** In automatic mode, the system (water pump and turbo fan) is always on. If temperature outside is very low, the turbo fan will work at minimum speed.

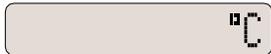
EXTERNAL TEMPERATURE		SPEED
29°C or higher	84°F or higher	8
28°C	82°F	7
27°C	81°F	6
26°C	79°F	5
25°C	77°F	4
24°C	75°F	3
23°C	73°F	2
22°C or lower	72°F or lower	1

## Temperature

This function allows selecting the outside temperature display in degree



Celsius (°C) or Fahrenheit (°F). Select this function with the menu key  and wait for 3 seconds.



Press key  or  to select °C or °F and wait for 3 seconds.

**Note:** Below -5°C (23°F) or above 70°C (158°F), the display will show



*The temperature sensor is placed inside the system's roof mounted unit.*

Important: *If the temperature sensor is not connected, the following message will appear on the display:*



## MAINTENANCE

The equipment will delay in cooling until the evaporator is totally wet.  
Do not use fuses higher than 15 Amp.

The equipment will deactivate automatically due to low tension so as to prevent damages to the battery.

Use only clean water.

Foresee replenishment of water taking into account that the equipment consumes between 2 and 5 litres per hour depending on the ambient temperature.

During short stops leave the equipment on so as to keep the cabin fresh.

System must be turned off when exhaust fumes or toxic particles could enter the cab through the system.

**▲** When performing maintenance of the equipment or if the evaporator unit's cover or the upholstery cover are removed, the system **MUST NOT BE SWITCHED ON** and you must not switch it on with any of these elements removed.

Keep the tank clean. Every 200 hours of use

- Drain all the water from the tank by removing the drain plug.
- Rinse with clean water thoroughly
- Pour one bottle of Viesa Scented Cleansing Fluid.
- Fill-up the tank with clean water.

Each 6 months change the package of granulated Calfa Bas crystals.  
Do not use chemical products to clean the control panel.

Every 2 months or according to working conditions:

- Submerge the evaporator in water with bleach (1).
- Clean the grids of the air entrances (2).
- Clean the filter of the collector tray (3).

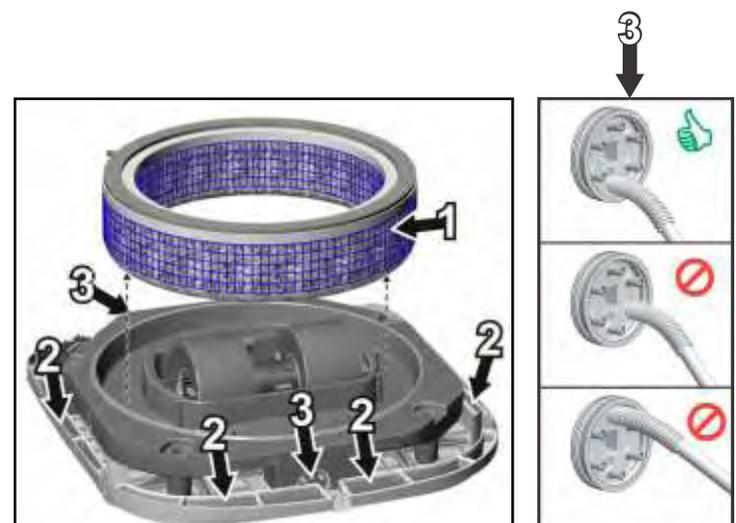
Once a year replace the evaporator (1).

Reconnect water returning hose to the filter of the collector tray according to the figure.

VIESA SCENTED FLUID (EVERY 200 HOURS OF USE)



GRANULATED CALFA BAS EACH 6 MONTHS





## LIMITED WARRANTY

This limited warranty is provided to the original buyer only and covers the VIESA ECOLOGICAL CAB COOLER (the "Product") manufactured by Col-Ven S.A. (the "Manufacturer") and distributed by RCR Systems Limited (the "Distributor").

The warranty period is two years from date of original purchase by the buyer. During this period, if the product is found to be defective in mechanical or electrical materials or workmanship during normal use, it will be repaired or replaced at no charge to the buyer. The buyer will be required to show date and proof of purchase and to return the Product pre-paid to an Authorized Dealer.

**THIS LIMITED WARRANTY DOES NOT COVER, AND MANUFACTURER OR DISTRIBUTOR WILL NOT BE RESPONSIBLE FOR, THE FOLLOWING:**

- Normal wear of parts;
- Failures or defects due to negligent use, misuse, neglect, abuse, use on improper voltage or current, use contrary to operating instructions, accidents, alterations, disassembly, installation, repair or alteration by any person other than an Authorized Dealer, fire, floods or acts of God.
- Products or accessory equipment not manufactured by the Manufacturer.
- Performance of Product when used in combination with other products or equipment not manufactured by the Manufacturer.
- Payments for labour or service to unauthorized representatives or service agents.

Manufacturer or Distributor will not be responsible for loss of time, inconvenience, loss of use of the Product, injury to buyer or other persons or damage to vehicle or property caused by the Product or by its failure to work or for any other incidental, punitive or consequential damages.

The Manufacturer reserves the right to make the final decision on any warranty claim that may be questionable.

This warranty is not transferable.

**EXCEPT AS PROVIDED HEREIN, THIS WARRANTY EXPRESSLY EXCLUDES:**

- (i) all warranties and conditions, whether express, implied or statutory, including but not limited to warranties and conditions of merchantability for a particular purpose; and
- (ii) any agreements, representations, affirmations, warranties or conditions, whether oral or written, made by any agent, employee or representative of seller.

This warranty sets forth the entire responsibility of Manufacturer and Distributor with respect to the Product. The buyer's exclusive remedy is repair or replacement as stated herein. In no event shall Manufacturer or Distributor's liability exceed the cost of correcting defects as provided herein and any such liabilities will terminate upon expiration of the two year warranty period.

USER'S MANUAL VIESA INTELLIGENT PLUS

REVISION 003  
1-2012



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