

We have made sure that setting up your air cooler is quick and easy. evaLIGHT™ plus EV-1500 is ready-to-use right after you unpack it. Following

a few simple recommendations can help to ensure that your experience is as

smooth as possible. The air cooler creates a personal comfort zone. To be in

the centre of that zone, place the device within 0.5 - 1.5 m (1.5 - 5 ft) of your

Before a long distance transportation, the device should be disconnected from the power source. In addition to the water visible in the transparent

external reservoir on the side, the device also stores some water in the internal one so that the evaporative cartridge could absorb it. Before trans-

Set the device to run on the maximum fan speed for at least 4-5 hours

in a well-ventilated room to dry the water out from the internal reservoir

Long distance transportation without drying the water out the internal

reservoir is to be attempted at your own risk. Water leakage during the

In order to avoid leakage, the device should be moved slowly and should

**Important:** Even if there is no water in the internal reservoir, the evaporative

cartridge could still be wet. Do not transport the device long distances with a wet cartridge; please see the "Storage during long periods of no usage" section. For shorter distances, make sure that the device with a wet cartridge

evaLIGHT™ plus EV-1500 Evapolar Air Coolers work by using natural evaporative cooling so its power level can change in various climates. The charts below summarize the outgoing air temperature approximates in different meteorologic conditions in both Celsius and Fahrenheit.

Important: Due to outside conditions varying greatly, Evapolar is not responsible

**Control wheel** 

Touchable screen

Adjustable front grill

You can set your evaLIGHT™ plus EV-1500 to turn off the fan

after a specific period of time. To select one of the available

time periods (from 1 to 180 minutes) rotate the control wheel

For your convenience, units may either be in Celsius or

Fahrenheit. To select the one you need, rotate the control

and confirm the selection by pressing the screen.

Temperature measurement units

wheel and press the screen to confirm.

To restore the factory settings, disconnect the power cord, press the screen

and reconnect the cord while keeping the screen pressed. Don't let the

1. The cleaning period depends on the level of dust in the that area

Prior to actual cleaning disconnect the device from power source. Extract the cartridge (see the "Replacing the cartridge" section).

Put the device back together; it is now ready to use or store.

Clean the device (as above), dry it and place it into an appropriatelysized package for storage (original package is recommended). Store the device in a dry space at temperatures 18 - 25 °C (64 - 77 °F).

Do not put the device or the cartridge into a bag, box or any container

Use a soft cloth to clean the inside parts of the device. Do not clean the device with gasoline, window-washing liquid or any organic solvent. Warranty does not cover damages caused by improper cleaning. Do not wipe the inside of the cartridge, just its outer plastic body. Do not put fingers into the internal area when the device is in

Fully replace the water in the reservoir at least once a week.

Possible cause

The external water

reservoir has been

The reservoir is

placed incorrectly

The supplied power

removed

**Solution** 

Place the external

onto the device

and place it back

vertically onto the

Use different power

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device

water reservoir back

Remove the reservoir

Three hours prior to cleaning, empty the water from reservoir and let the device run for a few hours without water to evaporate it from the

are off.

on/off.

Sleep timer

screen off for 5 seconds after reconnecting.

you use your air cooler in.

Wash or wipe the reservoir.

before it is completely dry.

Storage during long periods of no usage

Wipe the internal area with a soft cloth.

internal reservoir.

**Factory settings** 

Cleaning

Important:

operation.

By rotating the control wheel you can increase and decrease airflow speed and navigate through menu items.

When navigating, the selected item is on, others and temperature readings

A single press will let you access the menu of device. Select one of the

items and confirm your choice by pres-

sing it again. Pressing and holding for

a few seconds will turn the device

By moving the front grill up and down you can adjust the airflow direction.

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position with its front grill facing you.

Moving and long distance transportation

portation, it is highly recommended to: Empty the water tank.

not be tilted at significant angles.

**Temperature parameters** 

**Tuning** 

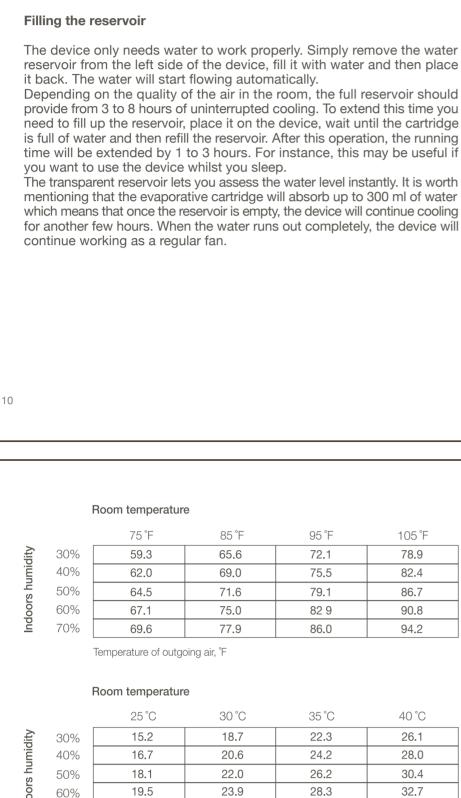
transportation is not covered by the warranty.

is not isolated in a box or bag with no air flow.

for the way that the device functions outdoors.

evapolar

At the end of its service life period the product should be recycled according to the recycling procedures in your region.



and adjust the airflow and other features.

book or anything else needed for your activities.

Enjoy your personal microclimate!

Move the front grill louvres to adjust the airflow direction.

**Important:** During the first use you may notice a technical smell.

This is normal and will vanish completely after several hours of use.

During the first cartridge filling there will be quick water saturation on

evaporative pads. This is normal and will enable your device to work properly.

To keep the device from causing any obstructions, place it slightly to one

side of your position. In this way, you will always have room for your laptop,

The temperature of the outgoing air will start to decrease in a few minutes.

You can adjust the airflow direction and speed, alter the colour and brightness level of the LED lighting and change the temperature measurement units. All of the above is done through the Menu and control elements, see paragraphs on Control elements and Menu items. **Device maintenance** Depending on how often you use the device, its internal area needs regular cleaning; see the "Cleaning" section of this product guide. **Important:**  Make sure that the air cooler is placed on a smooth horizontal surface to avoid leaks and spills. Do not use the device in temperatures exceeding 60 °C (140 °F). Failing to do so can damage both the body and internal components of the 19.5 23.9 28.3 32.7 20.9 25.5 30.0 34.6 Allow the cartridge to completely dry out between usages. The air cooler performs at its best in well-ventilated premises. Temperature of outgoing air, °C DO NOT add any aromatic oils or incenses or any other odorous substances into the water. **Usage recommendations** To avoid water spillage, do not tilt the device at significant angles whilst it is filled with water; see the "Moving and long distance transportation" The device is created to be used at any location that meets the humidity section of this product guide. Take care when pouring water into the reservoir that is still attached to the and temperature prerequisites from the previous paragraph. Minimal power device as this way of filling the water reservoir up is not recommended; do not spill water onto the body of the device. **Control elements** 

requirements allow the device to run even from a portable power bank. Required electricity parameters: voltage 5 V, current 2 A and up. CONTROL PANEL & MENU Screen elements Temperature of Airflow level incoming air Temperature Menu items measurement units Temperature of outgoing air - Night mode - LED lighting - Temperature icon brightness icon measurement units icon LED lighting - Sleep timer icon colour icon

70%

14

16

20

**Problem** 

The device

Cold air

does not turn

does not come

out of the device

The temperature

drop is minimal

There is water

nearthe device

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Menu items Night mode In the night mode, device lighting turns off and the display dims. To exit the night mode, simply press the screen lightly. LED lighting colour You can choose your preferred colour for the water reservoir lighting by rotating the control wheel. Press the screen to confirm your choice.

LED lighting brightness

**MAINTENANCE:** 

screen to confirm your choice.

You can choose your preferred brightness level for the water

reservoir lighting by rotating the control wheel. Press the

You can also make it 0%, that will turn off this feature.

**CLEANING AND STORAGE** 18

REPLACING THE CARTRIDGE

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TROUBLESHOOTING

Possible cause

to power supply

The device is not connected

The device has been turned

offvia the control panel

The airflow level is on

The device is out of water

The cartridge has expired

The humidity level in the

The device has been pushed

The device has been tilted

room is over 70%

harshly

the minimum setting

Solution

Plug in the device

Press the screen

Increase the airflow

speed by accessing

menu item and rotating the control wheel

the corresponding

Fill up the reservoir

Replace cartridge

Ventilate the room

Wipe the water out

and dry the device as per the guide

Place on a smooth

horizontal surface at significant angles and dry the device as per this guide **TECHNICAL SPECIFICATIONS** Power supply 100 - 240 V / 50 - 60 Hz Input voltage / current 5 V / 2 A 10 W Power consumption 100 - 350 W Cooling power Up to 3.5 m<sup>2</sup> / Up to 38 ft<sup>2</sup> Coverage area 1000 ml Water tank capacity every 3 - 8 hours Water refill cycle 182 x 180 x 180 mm 1270 g Weight (without water) 25-45 dB Working noise level 21-37 **Energy Efficiency Ratio (EER)** Cartridge Supplied accessories Power cord Power adapter Humidity < 70% Working conditions Temperature >18°C **FEE WASTE** 

Application of this symbol on your equipment is confirmation that you

should not dispose of this equipment in the normal household waste

In accordance with European legislation end-of-life electrical and electronic equipment subject to disposal must be segregated household waste.

Private households within EU member states may return used electrical and electronic equipment to designated collection facilities free of charge. Please contact your local disposal authority for information. In some member states, when you purchase new equipment, your local retailer may be required to take back your old equipment free of charge. Please ask your

Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national procedures. In accordance with European legislation end-of-life electrical and electronic equipment subject to disposal must be managed within agreed procedures. Prior to disposal, contact your local dealer or Evapolar representative for

Equipment used in a professional/business environment:

SAFETY INSTRUCTIONS

time. The User Manual is a part of the product.

Before you use this device for the first time, please read the following notes

and heed all warnings, even if you are familiar with handling electronic devic-

es. Keep these operating instructions in a safe place for future reference. If

you sell the device or give it away, pass on the user manual at the same

retailer for information.

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end-of-life take-back information.

**Explanation of symbols used** DANGER! This symbol and the word "DANGER" denote a poten tially dangerous situation. Ignoring it can lead to severe injury or WARNING! This symbol and the word "WARNING" denote impor tant information required for the safe operation of the product and for the safety of its users. WARNING! This symbol denotes danger for human health and risk of death and/or risk of damage to equipment due to electric Please use the supplied power adapter only to power the device. This symbol denotes further information on the topic. 28 Small parts can cause choking hazards. Keep the packaging away from children and people with disabilities. There is a risk of suffocation. **DANGER!** Power adapter Please use the supplied power adapter only to power the device. Plug the power adapter only into a suitable and easily accessible power

socket. Do not touch the power adapter with wet hands as this could

To unplug the power adapter from the power socket, always hold its casing

and never pull from the cable. Unplug the power adapter from the mains in

if the power adapter makes an unusual noise or gives off smoke

if the power adapter has been exposed to rain or liquids

cause an electric shock.

the following circumstances:

in any dangerous situation

before a storm and/or thunderstorm

if the power adapter is damaged

The power adapter consumes electricity even in Standby mode. In order to completely disconnect the device from the mains, the power adapter must be pulled out from the power socket. Please follow these instructions to avoid risk of potential fatal injury or fire! Never cover the power adapter, otherwise there is a risk of fire. Do not attempt to open the housing of the power adapter. This could result in potentially fatal electrocution. 30

Disconnect the device from power source. Remove the reservoir by sliding it up. Use both hands to lift the upper part of the body. Push on both sides of its base to release the locks and then slide it upwards. Unlock and move the control unit upwards and to the side. Take out the old cartridge by lifting it up. Place a new cartridge in place of the old one. Put the device back together. Make sure the control unit is locked in its place and the housing top fits in the slots. The device is ready to use. Important: Depending on usage and storage, the cartridge can last 3-6 months. Poor water and air quality reduces the longevity of the cartridge. Allow the cartridge to completely dry out between usages. The new cartridge can be stored for up to 3 years without losing its evaporation potential. Whilst replacing the cartridge, do not remove any parts other than those described in this guide.

> **Problem** The fan does not move Water from the reservoir does not reach the evaporative cartridge Airflow level scale is blinking

is not enough LEGAL INFORMATION The device complies with the requirements of EU Directives – 2014/35/EU Low Voltage Directive and 2014/30/EU EMC Directive, as well as the following European harmonised standards: EN 55014-1:2006/ A1:2009/ A2:2011 - Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus Part 1: Emission EN 55014-2:2015 - Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus. Part 2: Immunity. Product family standard EN 61000-3-2:2014 Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment input current ≤16 A per phase) EN 61000-3-3:2013 Electromagnetic compatibility (EMC). Part 3-3: Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16A per phase and not subject to conditional connection EN 60335-1:2012/AC:2014/A11:2014 - Household and similar electrical appliances. Safety. Part 1: General requirements EN 60335 -2-40:2003/ A11:2004/ A12:2005/ C1:2006/ A1:2006/ A2:2009/ C2:2010/ A13:2012/ A13/AC:2013 - Household and similar electrical appliances. Safety. Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers. The device is marked by the sticker on the inner surface of the case and contains the following data: manufacturers name \ product name \ serial number \ year of manufacture \ power settings (voltage, frequency, maximum

power consumption, weight) \ CE marking.

Changes/Modifications made to the product, unless expressly approved by Evapolar could void the user's authority to operate the equipment. Where special accessories such as shielded cables and/or special

connectors are required to comply with the emission limits, the instruction

/!\ CAUTION:

/!\ DANGER!

there is a risk of fire.

**WARNING!** Cables

obstructed by them.

Servicing / Repair

candles) are placed on or near the device;

malfunction, install the device at a different place.

You keep at least 1 m of space to radio frequency and magnetic sources (e.g. TV, speakers, mobile phones, etc.) to avoid any malfunction. In case of

No foreign bodies can penetrate into the device; the device is not exposed

to any extreme temperature fluctuations as this can cause moisture

through condensation and cause short circuits. If the device has been exposed to extreme temperature fluctuations, wait for it to reach the ambient temperature before switching it on (about 2 hours) the device should not be subjected to excessive shocks and vibrations; the device is

not covered. Heat can accumulate when the device is covered, therefore

Failure to heed the warnings above may result in damage to the device or

Electrical devices are not suitable for children. Also people with reduced

physical, sensory or mental capabilities should only use electrical devices within the limits of their abilities. Do not allow children or people with

reduced physical, sensory or mental capabilities to use electrical devices unsupervised unless they are instructed accordingly and supervised by a competent person responsible for their safety. Children should always be

Unplug all cables by holding the plugs and never pull on the cables them-

selves. Never place pieces of furniture or other heavy objects on the cables and take care that they do not become damaged, especially at the plugs and sockets. Never install the cable around hot or sharp objects to avoid

damaging it. Never tie knots in cables and do not tie them to other cables. All cables should be positioned so that nobody can trip over them or be

**DANGER!** Children and people with disabilities

supervised to ensure that they do not play with the product.

manual shall include appropriate instructions on the first page of the text describing the installation of the device. Always make sure that the device is not exposed to direct heat sources (e.g. radiators); no direct sunlight or bright artificial light reaches the device; contact with water sprays or drops and corrosive liquids is avoided and the device is never operated near water; in particular the device may never be immersed in liquids (do not place any objects containing liquids, such as vases or drinks, on or near the device) no naked flames (e.g. burning

Repairs are required if this device is damaged in any way, for example, if the device housing is damaged, if liquids or objects have entered the device or if the product has been exposed to rain or moisture. Repairs are also necessary if the product is not working properly or has been dropped. this type of products.

For additional quidance and more information contact Evapolar support: support.evapolar.com

available via the following link:

If you notice any smoke, unusual noise or strange smells, switch off the device immediately and unplug the device from the power source. If this occurs, do not continue to use the appliance and have it checked out by an expert. All repairs must be carried out by qualified service personnel. Operating environment The device is not designed for use in environments with high humidity (e.g., bathrooms) or excessive levels of dust. Operating temperature and operating humidity: 0 to 35 °C, max. 85% relative humidity. Please note that caring products for furniture surfaces may contain substances that can damage the rubber feet of the device, so be careful if you have been using Full instructions are evapolar.com/docs/evalightplus

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