

Air purifier
LR 50

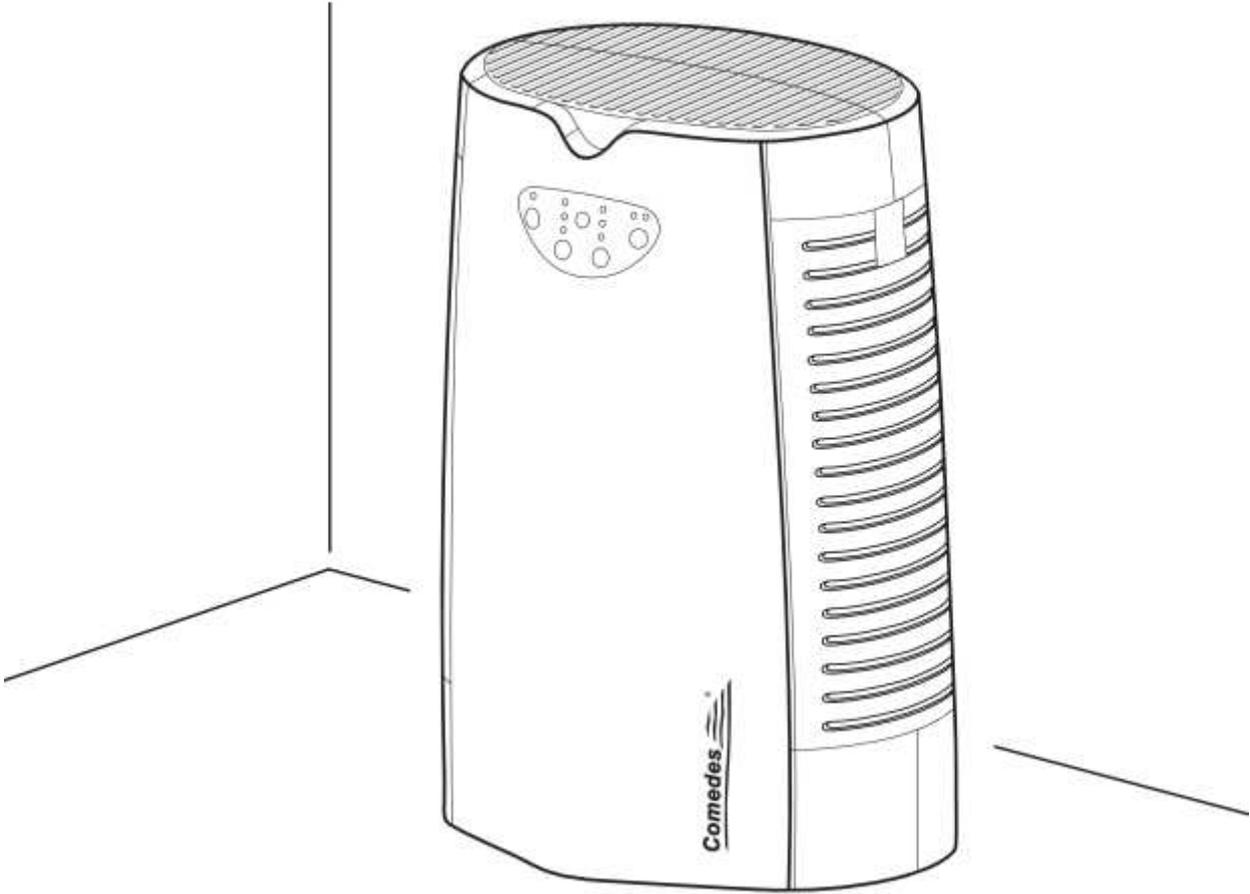


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Dear Customer,

Thank you, that you have chosen the Comedes LR 50 air purifier, which has been manufactured according to the newest technology available.

The air purifier LR 150 is equipped with a multilevel filter system, which has been developed according to the newest technology available. The ionizer converts positive air-particle to negatives (like air is cleaned while a thunderstorm).
Dust, pollen and smoke can be abolished.

Read the manual carefully, especially the safety instructions.

If you have any queries, you are very welcome to contact us.

Our E-Mail adress: service@comedes.com

If you provide your phone number we will call you back free of charge.

We are happy with feedback and look forward to your contact.

Kind regards



Philipp Thannhuber

Comedes GmbH

WARNING:

Be sure to read the instructions before using for the first time. Any errors made in following the safety information and instructions may result in an electric shock, fire and/or serious injury. Keep all the safety information and instructions in a safe place for future use.

Important: Make sure that the power plug is removed from the socket outlet before opening the device. Electric shock can cause fatal injury. Have repairs carried out only by an authorized workshop. To change the HEPA filter, you can easily remove the front panel yourself.

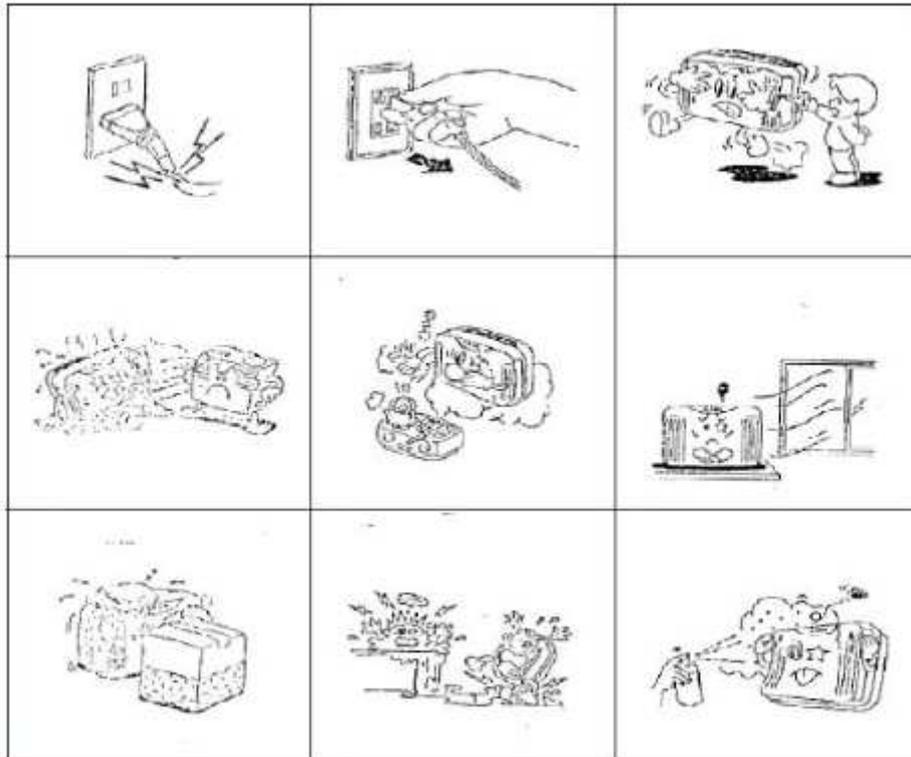
Safety Instructions

- Check the voltage of 230 V before use.
- Check the power plug before plugging it in.
- Pull the power plug out of the socket outlet whenever the device is not in use.
- Never poke any small objects in the air inlet and outlet vents on the device. This may result in a short-circuit. Be especially careful when operating the device within reach of children.
- Use the SPEED/ON and OFF switch to switch the device "ON and OFF". Do not under any circumstances use the plug to switch the device "ON and OFF".
- Always switch off the device and pull the plug before you start to adjust it.
- Never attempt to clean the air inlet and outlet vents with pointed objects.
- Never immerse the device in water.
- Never spray inflammable liquids into the device.
- Never use the device in a wet room (e.g. bathroom). Danger of electric shock or current transfer.
- Never use hairspray, thinners or inflammable gases in the vicinity of the device, because they could pose a risk of fire and explosion.
- If candles are lit or gas heaters are on in the same room while the device is being used, open the window occasionally.
- Never cover the air inlet or outlet vents. This could cause irreparable damage to the blower motor.
- Never use the device in the vicinity of sources of heat such as heaters, naked flames or direct sunlight. This may cause deformation to plastic parts.
- The device must not be used as a substitute for a fan. This will drastically reduce the service life of the filter.
- The device must not be used in environments containing lots of dust or chlorine.
- Do not place any heavy objects on the device and keep it out of the reach of children.
- Do not use the device in enclosed and confined spaces.
- If the power lead is damaged, stop using the device and have the lead replaced immediately.
- If the device develops a defect, switch off the power switch and pull the plug.
- To avoid interference, never use the device in the vicinity of microwaves or televisions.
- The device is allowed to be used only by persons who are physically and mentally capable of operating it in accordance with these operating instructions, or by persons who have been given training on the use of the device by a responsible person.
- Never switch the device on or off with wet hands.
- Never attempt to carry out any repairs or modifications, either of an electrical or a mechanical nature, on the device yourself.
- Do not allow children to play with any of the packaging such as sheets of plastic.

Intended use

The air purifier is designed only for use for purifying the air in privately used rooms (e.g. living rooms, bedrooms, storage areas or basements). The user must observe all the operational parameters specified in this manual.

The device is allowed to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind resulting from such misuse.

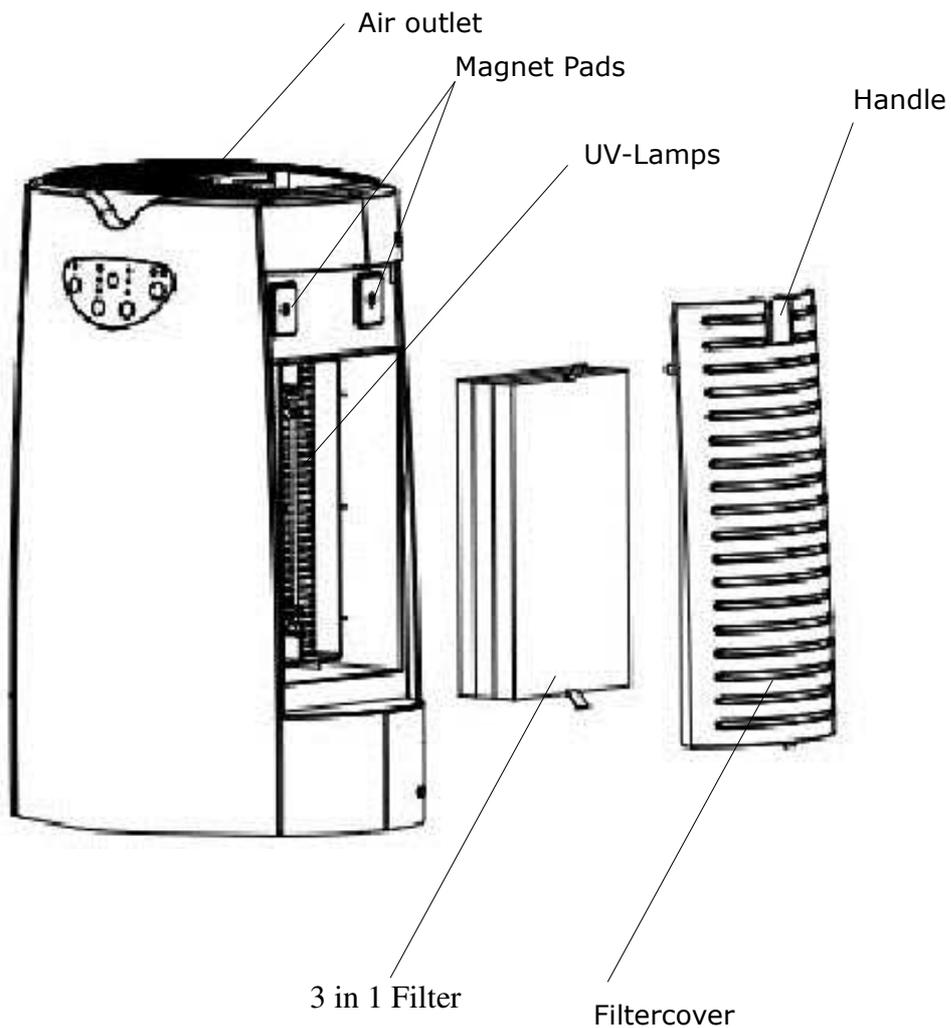


Technical data

Product name:	Comedes LR 50
Voltage:	230V /50 Hz
Power consumption:	35W
Air throughput:	108 m ³ /h
Timer (hours):	2,4,8
Ionization:	2*10 ⁶ Ionen/cm ³ /s
Weight:	2,9 kg
Dimensions (WxHxD):	280 x 205 x 415 mm
Room size:	max. 30 m ²
Noise:	l < 28,5 dB m < 37,1 dB h < 48,0 dB

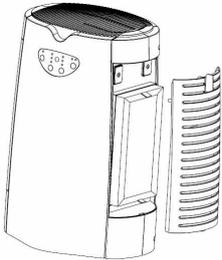
Layout

Figure 1:

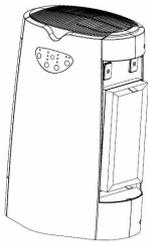


Before starting up

IMPORTANT: Make sure that the power plug is removed from the socket outlet before opening the device. Electric shock can cause fatal injury. Have repairs carried out only by an authorized workshop.



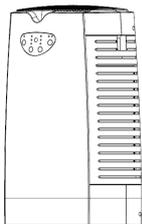
1. Open the filtercover on the side of the unit and take it out carefully.



2. Take the 3in1 filter out of the plastic sheeting and insert it back in the device. The main filter should normally be changed every 6-9 months.

a) To make sure you do not forget, stick the supplied sticker on the outside of the device. This serves as a color indicator for when to change the filter. When the filter is the same color as the sticker, it is time to change it.

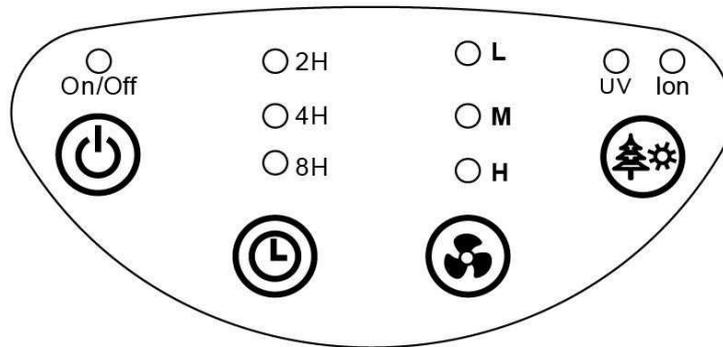
b) The white side of the main filter must face towards the front, then you will have inserted it correctly.



3. Put the filtercover into the closed position again.

4. Plug in the device.

Starting up



Power

- Press this button to switch the unit on or off.
- If you are not intending to use the device for an extended period of time, we recommend that you pull the power plug.

Timer

- Use this function to select the operating time for the device. The interval you can select, again by repeated pressing, is either 2, 4 or 8 hours, or continuous operation.
- Continuous operation is indicated when all three LEDs are dark.
- The remaining time is also shown by the LEDs.

Speed

- The speed of the blower can be changed during operation by repeatedly pressing this button to switch between Low, Medium and High.
- When the device starts up, it starts in low mode

UV- and Anion-switch

- This Switch is for switching the UV light and the ionizer on and off.
 1. Press: Ionizer and UV-light on.
 2. Press: Ionizer off and UV-light on.
 3. Press: Ionizer off and UV-light off.The basic setting is ionizer on and UV-light off. The air purifier will be back in this setting after the 4. press of the switch.

UV-light

- The UV light provides a natural degerminating effect in the device.
- The TIO filter after the HEPA & activated carbon filter is activated by the UV light. This filter will not work without the UV light. The TIO filter uses the principle of photocatalytic effects to reduce numerous odor-building inorganic compounds. abgebaut.

ANION

- Only press this switch if the air in the room has already been purified for a while (after approx. one hour when used for the first time or after heavy air contamination).
- The ions which are released form what are known as ion clusters in the air. As a result, even the smallest of dust particles accumulate together and can be absorbed by the air purifier.
- If the humidity level in the room is high, the walls will become dirty very quickly if the ionizer is switched on, so it should not be switched on if this is the case.

Installation



Standing: Stand the device on the floor, a stable table or similar object with a smooth surface.

Changing the filter

Changing the main filter:

The frequency with which the filter has to be changed depends, of course, on the amount of contamination and use. As a general rule it should normally be changed every 6-9 months. Change the filter if the following problems arise: The performance of the fan drops and the noise level increases at the same time. The surface of the filter changes color until it becomes similar to that of the indicator. If you notice that the filter has got to a point where it no longer removes much dust and dirt from the air.

For information on how to change the filter, please refer to the section "Before starting up" at the beginning of this manual.

Useful information:

The filter we use in our device is no different in terms of design to the types of filters which are used extensively in laboratories throughout the world wherever the creation of absolutely clean ambient air is a must. We apply exactly the same principle of operation for improving the air in your home and office.

The installed filter can filter out up to 99.97% of all microparticles ($>0,03\mu$) from the ambient air. By way of comparison, the human nose filters out particles bigger than 10μ from the inhaled air. The back of the filter has a coating of activated carbon which also effectively eliminates odors in the air.

Cleaning the device

Pull out the power plug before starting cleaning work!



Cleaning the housing:

Do not use aggressive cleaning agents, just a damp cloth or neutral cleaning agent.



Cleaning the air inlets:

Use a vacuum cleaner or dry cloth.



Cleaning the main filter:

The ventilation effect will drop off noticeably if a lot of dust accumulates on the surface of the filter. You therefore need to clean the filter once a month. Use a vacuum cleaner to do so, as shown in the illustration. For information on how to remove the filter, please refer to the section "Before starting up" at the very beginning of this manual.



Faults and troubleshooting

For our latest operating instructions please go to <http://blog.comedes.com>

Switch off the device immediately and contact your dealer if any of the following problems occur:

- Burned out fuse.
- Extraneous material gets into the device.
- The plug or the power cable get hot.

Do not open the device without authorized service personnel. However, you can check the following faults yourself:

The device cannot be switched on:

- Is the plug properly connected?
- Has the fuse burned out or is there no voltage supply at the socket outlet?

There is less air flow at the outlet:

- Is the filter too dirty or clogged?

The equipment is unusually loud:

- Has the device been wall-mounted in an unstable position or are the wall pads missing at the back?
- Has the device been set up on an uneven surface?

Tips on purifying the air in case of cigarette smoke

Cigarette smoke is comprised of a large range of complex chemical compounds. For the air purifier these are essentially divided into the solid and gaseous components of the smoke. The solid smoke particles are filtered out by the HEPA filter. The gaseous components are partly absorbed by the activated carbon filter and partly eliminated by the TIO₂ filter.

- To prevent possible damage to the TIO₂ filter, it is important that the main filter is changed in good time.
- The device needs to be set up as close to the source of smoke as possible.
- The device should not be set up on the floor. (For smokers we recommend wall-mounting.)
- The device will have a shorter service life depending on the number of cigarettes smoked.

Tips on purifying the air in case of problems with pollen

The air purifier is capable of filtering all standard types of pollen out of the air. These remain in the HEPA filter. To enable the device to work as effectively as possible and significantly reduce the concentration of pollen, we recommend that you create a refuge in which the air purifier can be stood. The device can only eliminate allergens which are present in the air, but not allergens which have settled on beds, walls, furniture, etc.

Therefore, please follow the instructions below:

- Clean the room thoroughly before using the device.
- Do not use a dustcloth for cleaning, use a damp cloth instead.
- Clean upholstered furniture with a vacuum cleaner at least once a week. Use a vacuum cleaner suitable for allergy sufferers.
- Mop the room at least once a week.
- Run the device at setting 1 during the day. Place the device on a table. Do not place it on the floor and do not suspend it below the ceiling.
- Switch the device off before going to sleep.
- Set the fan setting to III while ventilating. Ventilate the rooms ideally between 6:00 a.m. and 8:00 a.m. in urban areas or after 7:00 p.m. in rural areas.

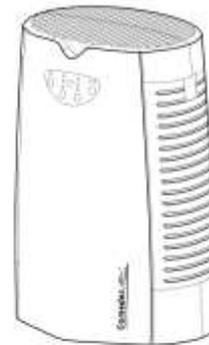
Tips on purifying the air in case of problems with household dust

Household dust is generally produced by mites that live in upholstered furniture, cushions, covers and mattresses. This is where the household dust remains at first. The air purifier can only remove household dust which is present in the air. It is therefore advisable to seal off the sources of household dust before you start to use the air purifier.

- Cover mattresses in allergen-proof encasings.
- Cover pillows and blankets in allergen-proof encasings.
- Wash pillows and blankets frequently.
- Replace old mattresses.
- Use a vacuum cleaner with a fine filter.
- Vacuum clean mattresses once a month.
- Keep dust catchers out of the bedroom.
- Do not put any indoor plants in the bedroom.

EG Konformitätserklärung

Comedes LR 50



EC Declaration of Conformity
Déclaration de Conformité CE
EC Conformiteitsverklaring
Declaración CE de Conformidad
Declaração de conformidade CE
EC Konformitetsförklaring
EC Yhdenmukaisuusilmoitus
EC Konformitetserklæring
EC Заявление о соответствии
Dichiarazione di conformità CE

Declarație de conformitate CE
AT Uygunluk Deklarasyonu
Dichiarazione di conformità CE
EC Overensstemmelseserklæring
EU prohlášení o konformitě
EU Konformkjelentés
EU Izjava o skladnosti
Oświadczenie o zgodności z normami
Europejskiej Wspólnoty
Vyhášení EU o konformite

Der Unterzeichnende erklärt im Namen der Firma die Übereinstimmung des Produktes mit den folgenden Richtlinien und Standards.

The undersigned declares in the name of the company that the product is in compliance with the following guidelines and standards.

Le soussigné déclare au nom de l'entreprise la conformité du produit avec les directives et normes suivantes.

De ondertekenaar verklaart in naam van de firma dat het product overeenstemt met de volgende richtlijnen en normen.

El abajo firmante declara, en el nombre de la empresa, la conformidad del producto con las directrices y normas siguientes.

O signatário declara em nome da firma a conformidade do produto com as seguintes directivas e normas.

Undertecknad förklarar i firmans namn att produkten överensstämmer med följande direktiv och standarder.

Alekirjoittanut ilmoittaa liikkeen nimissä, että tuote vastaa seuraavia direktiivejä ja standardeja:

Undertegnede erklærer på vegne av firmaet at produktet samsvarer med følgende direktiver og normer.

Подписавшийся подтверждает от имени фирмы что настоящее изделие соответствует требованиям следующих нормативных документов.

Az aláíró kijelenti, a cég nevében a termék megegyezését a következő irányvonalakkal és normákkal.

Subsemnatul declară în numele firmei că produsul corespunde următoarelor directive și standarde.

Συμφωνημένος κήρυξ, firma adına ürünün aynı anda anılan yönetmeliklere ve normlara uygun olduğunu beyan eder.

Il sottoscritto dichiara a nome della ditta la conformità del prodotto con le direttive e le norme seguenti.

På firmaets vegne erklærer undertegnede, at produktet imødekommer kravene i følgende direktiver og normer.

Niže podepsaný jménem firmy prohlašuje, že výrobek odpovídá následujícím směrnícím a normám.

Az aláíró kijelenti, a cég nevében a termék megegyezését a következő irányvonalakkal és normákkal.

Podpisani izjavljam v imenu podjetja, da je proizvod v skladnosti s sledečimi smernicami in standardi.

Nizej podpisany oświadcza w imieniu firmy, że produkt jest zgodny z następującymi wytycznymi i normami.

Podpisující závazně prohlašuje v mene firmy, že tento výrobek je v souladu s následovnými smernicami a normami.

Haushaltsgeräte Norm EN 60335-1:2002;A11;A1;A12;A2;A13;A14
EN 60335-2-65:2003;A1

EMF Standard EN 62233:2008

EMV Standard EN 55014-1:2006;A1
EN 55014-2:1997;A1;A2
EN 61000-3-2:2006;A1;A2
EN 61000-3-3:2008

Landau a. d. Isar, 29.12.2012

Philipp Thannhuber

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