intelligent

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INTRODUCTION

Thank you for choosing this De'Longhi product. Please take a few minutes to read these instructions. This will prevent running any risks or damaging the appliance.

Below you will find all the information necessary for operating your local air conditioner.

The appliance must be placed where there are no obstacles to air intake and output.

DESCRIPTION

Description of the appliance (See page 3 - A)

A1 Air outlet grille
A2 Control panel
A3 Handles
A4 Wheels
A5 Filter
A6 Air intake grille
A7 Air exhaust hose housing
A8 Air intake grille
A9 Power supply cable
A10 Drainage hose with cap
A11 Remote control signal receiver

Description of accessories (See page 3 - B)

B1 Wall flange with cap
B2 Air exhaust hose
B3 Hose adapter (2 pieces)
B4 Wall mounting accessory
B5 Crosspiece grille
B6 Cap for crosspiece hole
B7 Crosspiece
B8 Screws
B9 Window outlet
B10 Remote control

Electrical Connection

Before plugging into the mains, check the following:
- the mains voltage is the same as that indicated on the plate on the back of the appliance;
- the socket and electrical line are sized to support the load required;
- the socket is the proper type for the plug, otherwise, replace the socket;
- the socket is connected to an efficient earthing system. The manufacturer is not responsible in the event of non-compliance with these injury prevention standards.
- **The power cable must only be replaced by specialised technicians.**

USE

The instructions below will enable you to prepare your air conditioner for operation as efficiently as possible. Before use, make sure the air intake and outlet grilles are unobstructed.

Please note: This appliance is provided with an auto-evaporation feature for condensate removal during cooling and dehumidifying modes.

AIR CONDITIONING WITHOUT INSTALLATION

Just a few simple steps and your local air conditioner will ensure your comfort:
- Screw a hose adapter **B3** to one end of the air exhaust hose **B2**.
- Fit the other adapter **B3** in the air exhaust hose housing **A7** on the back of the appliance (see fig. 1).
- Screw the end of the hose without an adaptor to the adaptor previously attached to the appliance (see fig. 1).

Sash window

- Fit the crosspiece grille **B5** to the crosspiece **B7** and attach it using the 4 screws provided **B8** (fig. 2).
- Open the window.
- Put the crosspiece **B7** in the window, extending it the entire width of the window (fig. 3).
- Once the crosspiece has been extended, it can be attached by screwing in the remaining two screws provided.
- Lower the window (fig. 4).
- Set the local air conditioner near the window. Insert the air exhaust hose **B2** previously assembled in the grille on the crosspiece **B7** (fig. 5). Make sure the air exhaust hose is not obstructed.
- When not using the appliance, the crosspiece hole can be covered with the cap **B6** provided.

Double casement window

- Apply the window outlet **B9** to the air exhaust hose **B2** that was previously assembled, as shown in fig. 6.
- Open the window or French door slightly and set the outlet **B9** in place as shown in figure 7.
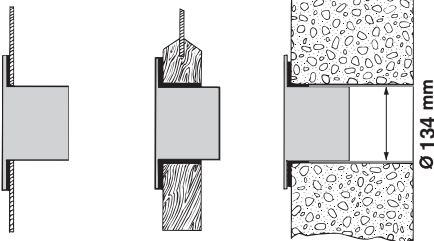
Limit the length and curves of the air hose as much as possible, avoiding any obstruction.

AIR CONDITIONING WITH INSTALLATION

If desired, your appliance can also be installed semi-permanently following the distances shown in the figure 8.
In this case, the following steps are necessary:

- Drill a hole (134 mm diam.) in an outside wall or through the glass in a window. Follow the height (see fig. 9) and sizes of the hole indicated in figure below.

Ø 134 mm

| in the window glass | in the wood base of the French door | in the wall: we recommend insulating the section of the wall with a suitable insulation material |

Limit the length and curves of the air hose as much as possible, avoiding any obstruction.

- Attach the flange accessory **B1** provided to the hole.
- Fit the adapter **B3** in the air exhaust hose housing **A7** on the back of the appliance (see fig. 1).
- Screw the wall mounting accessory **B4** on the air exhaust hose **B2**. If necessary, remove the other adapter **B3** from the air exhaust hose **B2** by unscrewing it (fig. 10).
- Screw the hose on the machine.
- Fit the end of the hose **B2** to the flange **B1** as shown in fig. 9.
  Whenever the hose **B2** is not attached, the hole can be closed using the cap for the flange **B1**.

NOTE: for semi-permanent installations, we recommend leaving a door slightly open (even just 1 cm) to ensure the proper air exchange.

CONTROL PANEL (page. 4 - C)

CONTROL PANEL DESCRIPTIONS
C1 **ON/STAND-BY** (on/off) key
C2 Function selection key **MODE**   (air conditioner, dehumidifier, fan)
C3 Temperature increase key
C4 Temperature decrease key
C5 Fan speed selection key (MIN/MED/MAX/AUTO)
C6 Air conditioner symbol
C7 Dehumidifier symbol
C8 Fan symbol
C9 ECO REAL FEEL status indicator
C10 Swing symbol
C11 Fan speed indicator
C12 SILENT symbol
C13 Alarm symbol
C14 Set temperature values, programmed on/off time
C15 Timer symbol
C16 Timer indicator
C17 Selected temperature scale indicator

### CONTROL PANEL OPERATION

TURNING THE APPLIANCE ON AND OFF (fig. 11)
Insert the plug in the socket. Two dashes appear on the display indicating that the appliance is in stand-by

Touch the   (C1) key to turn on the appliance. The flap **A1** will open after few seconds. When the appliance comes on, the last function set before it was shut off is activated.

NOTE: If start-up is not continued, after a few minutes the display light dims in order to reduce energy consumption.
To turn the appliance off, touch the   key and then pull the plug.

NOTE: Never turn off the local air conditioner by simply pulling the plug. Touch the   key in order to put your local air conditioner in stand-by and wait a few minutes before pulling the plug. In this manner, the appliance can perform the operating status checks.

✳ AIR CONDITIONER MODE (fig. 12)
This is ideal for hot and humid weather when the room needs to be both cooled and dehumidified.
To correctly set this mode:
- Touch the **MODE** key until the air conditioning symbol appears. The display will show the desired temperature.
- To change the temperature to be reached, touch the ∧ (C3) key or the ∨ (C4) key.

- Select the desired fan speed by touching the ❄ key.

The speeds available are:

❄ ▬ **Minimum speed**: when maximum silent opera tion is desired.

❄ ▬▬ **Medium speed**: when the noise level needs to be low but with a good comfort level.

❄ ▬▬▬ **Maximum speed**: to reach the desired temperature as soon as possible.

❄ AUTO ▬▬▬ The appliance automatically chooses the best fan speed based on the temperature selected and the environmental conditions.

The most suitable temperatures during the summer range from 24 to 27°C. However, setting the temperature significantly lower than the outdoor temperature is not recommended.

🌢 DEHUMIDIFIER MODE (fig. 13)

This is ideal for reducing humidity in the room (spring and autumn, damp rooms, rainy periods, etc.) For this type of use, the appliance must be set up as for local air conditioner mode. That is, the air exhaust hose (B2) must be fitted to the appliance to allow the humidity to be discharged outside.
To correctly set this mode:
Touch the **MODE** key until the dehumidifier symbol appears.

❄ FAN MODE (fig. 14)

When using this mode, the air exhaust hose (B2) does not need to be attached to the appliance.
To correctly set this mode:
- Touch the **MODE** key until the fan ❄ symbol appears.
- Select the desired fan speed by touching the key. ❄ .

The speeds available are:

❄ ▬ **Minimum speed**: when maximum silent operation is desired.

❄ ▬▬ **Medium speed**: when the noise level needs to be low but with a good fan level.

❄ ▬▬▬ **Maximum speed**: for maximum fan power.

SELECT THE TEMPERATURE SCALE (fig. 15)

The temperature can be displayed in °C or °F.
To change the temperature unit of measure keep touched both keys ∧ and ∨ for about 10 sec.

FUNCTIONS AVAILABLE FROM THE REMOTE CONTROL ONLY (See page 4 - D)

⌂ ECO REAL FEEL FUNCTION (fig. 16)

ECO REAL FEEL is the innovative De'Longhi technology that works simultaneously on temperature reduction and humidity control, securing best comfort level.
With traditional systems, during working time, optimal comfort conditions may be reached but not secured over time. With ECO REAL FEEL, once optimal comfort is reached, PAC automatically modulates compressor action and air flow, to keep it over time.
To activate the function, press the ECO REAL FEEL button (D9).
The ECO REAL FEEL symbol (C9) appears.
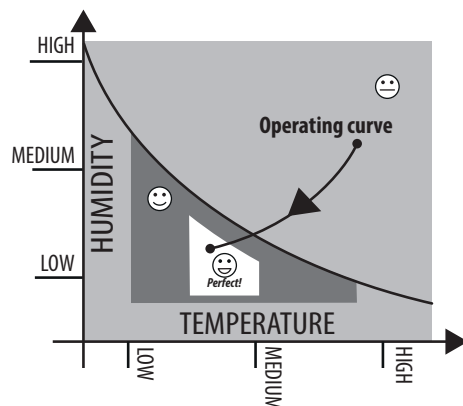
The "ECO REAL FEEL" status indicator (C9) becomes white for approx. 1 min. to indicate that the appliance is checking the room conditions.
After a while the "ECO REAL FEEL" status indicator (C9) changes colour as it approaches comfort conditions (see below).

☺	**ORANGE LIGHT**: Room conditions far from optimal level.
☺	**GREEN LIGHT**: Most people feel good room conditions, near optimal level.
☺ *Perfect!*	**BLUE LIGHT:** Best comfort level.

NOTE:
- The well-being feeling is a subjective condition. For this reason, different people may judge differently the same environmental conditions.

- In particularly severe environmental conditions (large size of the environment, high temperature or humidity outside, poor insulation of the room, too many of people or strong heat load in the room, strong exposure to the sun ...) this device may not be able to reach the best comfort level.

SILENT FUNCTION (CAN ONLY BE ACTIVATED IN LOCAL AIR CONDITIONER MODE) (fig. 17)

By activating this function in local air conditioner mode, the noise level of the appliance is further reduced.

To activate, press the 🔇 (D7) key.
The display shows the related indicator light (C12).

PROGRAMMING THE TIMER (fig. 18)
The timer allows for the delayed start up or shut down of the appliance. This function will prevent wasting electricity by optimising the operating periods.

How to program delayed start up
- Plug in the appliance and set to standby.
- Press the timer key (D8): the timer symbol (C15) and hours light up.
- Use the ⋀ (D4) or ⋁ (D3) key to set the number of hours until the appliance should start up.
- The appliance will start to operate in the same operating mode that was previously set.

Start up can be programmed at any time within the 24 hours that follow. A few seconds after the timer is set, the setting is acquired. The timer symbol stays lit and the display returns to standby.
To cancel the timer program, press the timer key (D8) twice. The timer symbol (C15) will go off.

How to program delayed shut down
- While the appliance is on in any operating mode, delayed shut down can be programmed.
- Press the timer key (D8): The timer symbol (C15) and hours light up.
- Use the ⋀ (D4) or ⋁ (D3) key to set the number of hours until the appliance should shut down.

A few seconds after the timer is set, the setting is acquired, the display shows the operating mode and the timer symbol stays lit.
Once the set time is elapsed, the local air conditioner goes into Standby. To cancel the timer program, press the timer key (D8), twice. The timer symbol (C15) will go off.

OPERATION USING THE REMOTE CONTROL
(See page 4 - D)
- Aim the remote control at the receiver (A11) on the local air conditioner. The maximum distance between the remote control and the appliance is 5 metres with no obstacles between the remote control and the receiver (fig. 19).
- The remote control should be handled with extreme care, without dropping it or exposing it to direct sunlight and keeping it away from heat sources.

DESCRIPTION OF THE REMOTE CONTROL
D1. ON/STAND-BY button
D2. MODE button
D3. Decrease button
D4. Increase button
D5. Air flow
D6. Swing button
D7. Silent button
D8. Timer button
D9. ECO REAL FEEL button

SWING BUTTON
The SWING button (D6) moves the grille flap, evenly distributing the air into the room.
When the SWING button is pressed, the flap will begin to move forwards and backwards alternatively.
If pressed again, the flap will be locked into its current position. When the button is next pressed, the flap will start to move forwards and backwards again.

NOTE: in order to avoid damaging the internal mechanisms, the flap must not be moved manually.

INSERTING OR REPLACING BATTERIES
- Remove the cover on the back of the remote
- Insert two LR03 "AAA" 1.5 V batteries in the proper position (see the indications inside the battery compartment). If the batteries are low, replace them with the same type.
- Replace the cover.

When replacing or disposing of the remote control, the batteries must be removed and disposed of according to current legislation as they are damaging to the environment. Do not mix alkaline batteries, standard (zinc-carbon) batteries or rechargeable (nickel cadmium) batteries. Do not throw the batteries in the fire as they could explode or release hazardous liquids.

TURNING THE APPLIANCE ON AND OFF

- Insert the plug in the socket.
- Press the ⏻ (D1) button on the remote control (when the local air conditioner is turned on, the last function set before it was shut down will start).
- To turn the appliance off, press the ⏻ (D1) button on the remote control then pull the plug.

NOTE: Never turn off the local air conditioner by only pulling the plug. Press the ⏻ key and wait a few minutes before pulling the plug. In this manner, the appliance can perform the operating status checks.

SELECTING THE OPERATING MODES

The commands available on the remote control correspond to those on the appliance control panel (**C**).

Therefore, refer to the instructions in the previous chapters.

NOTE: The special functions D6-D7-D8-D9, are available from the remote control only.

TIPS

There are some recommendations to follow to achieve maximum local air conditioner performance:

- close the windows and doors in the room to be cooled (fig. 20). The only exception is in the event of installation through a hole in the wall.In this case, it is recommended to leave a small opening through a door or window in order to ensure the proper air exchange (fig. 20).
- Do not use the appliance in areas with a high degree of humidity (laundries for example).
- Protect the room from direct sunlight by pulling the drapes and/or partially closing the shutters for extremely economic operation (fig. 21).
- Do not use the appliance outdoors.
- Make sure there are no heat sources in the room.
- Make sure the local air conditioner is level on the floor.
- Do not place objects on the local air conditioner (fig. 22);
- Do not obstruct the air intakes.

CLEANING

Before every cleaning or maintenance operation, shut down the appliance using the ⏻ key.

Then pull the plug.

CLEANING THE APPLIANCE

We suggest cleaning the appliance with a damp cloth and then drying it.

For safety reasons, do not wash the local air conditioner with water.

Precautions

Do not use gasoline, alcohol or solvents for cleaning.

Do not spray liquid insecticides or similar substances.

CLEANING THE AIR FILTER OR SILVER-ION AIR FILTER (only on some models)

To maintain the efficiency of the local air conditioner, it is recommended to clean the dust filter after every week of use.

The filter is located near the intake grille. Remove the grille to access the filter. To clean the filter, it will need to be extracted as shown in fig. 23-24.

Use a vacuum cleaner to remove any dust deposited on the filter. If it is very dirty, submerge it into warm water and rinse it several times. The water temperature must be kept below 40° C.

After washing the filter, allow it to dry.

To replace, put the filter back in its housing.

If present, the silver-ion air filter not only retains powder particles, but also performs an efficient antibacterial action. In addition, it greatly reduces irritants such as pollen and spores.

The filter is treated with small particles of silver (with dimensions equal to millionths of a millimetre) which are able to block the multiplication of bacteria and spores when in contact with them, and therefore encourage their destruction.

CHECKS AT THE START OF THE SEASON

Make sure the power cable and socket are in perfect condition and make sure the earthing system is efficient. Comply strictly with the installation standards.

END OF SEASON OPERATIONS

To completely drain the water from the internal circuit, remove the cap from the outside of the drainage hose, turning it counter clockwise (Fig. 25).

Drain the water completely into a basin. When it is completely drained, replace the cap, making sure they are completely closed.

Clean the filter as indicated previously. The filter must be completely dry before reinserting it.

TECHNICAL SPECIFICATIONS

Power supply voltage	see rating label
Max. absorbed power	
during air conditioning	"
Refrigerant	"
Cooling capacity	"

LIMIT CONDITIONS

Room temperature for air conditioning	18° ÷ 35°C

Transport, filling, cleaning, recovery and disposal of refrigerant should be performed by a technical service centre appointed by the manufacturer only.
The appliance should be disposed of by a specialist centre appointed by the manufacturer only.

Attention! **TO AVOID DAMAGE TO THE UNIT:**
NEVER TRANSPORT OR TURN THE APPLIANCE UPSIDE DOWN OR ON ITS SIDE. IF THIS OCCURS, WAIT 6 HOURS BEFORE TURNING THE APPLIANCE ON, 24 HOURS IS RECOMMENDED. After the unit has been on its side, oil needs to return to the compressor to ensure proper function. Without allowing the unit this time (6-24 hours) the unit may function for only a short time, and then the compressor will break down from lack of oil.

SELF-DIAGNOSIS

The appliance has a self diagnosis system to identify a number of warning/malfunctions.
Error messages are displayed on the appliance display.

IF … IS DISPLAYED,	IF … IS DISPLAYED,	IF … IS DISPLAYED,	IF … IS DISPLAYED,	IF … IS DISPLAYED,	IF … IS DISPLAYED,
Lt	Lh	FI ⚠	F2 ⚠	PF ⚠	HL ⚠
"Low Temperature" (Frost prevention)	"Low humidity"	Failure 1	Failure 2	"Probe Failure" (Probe damaged)	"High Level" (Internal tray full)
..WHAT SHOULD I DO?	..WHAT SHOULD I DO?	..WHAT SHOULD I DO?	..WHAT SHOULD I DO?	..WHAT SHOULD I DO?	..WHAT SHOULD I DO?
The appliance is fitted with a frost protection device to avoid excessive formation of ice. The appliance starts up again automatically when the defrosting process is completed.	This message will only be displayed when in Eco Real Feel function, indicating that the room humidity level is extremely low. To resume operation, switch the unit to any other mode other than the Eco Real Feel function.	If this appears, consult the nearest authorised service centre.	If this appears, consult the nearest authorised service centre.	If this is displayed, contact our toll free customer service number.	Empty the internal safety tank following the instructions in the section "End of season operations"

TROUBLESHOOTING

Check the following points before calling the authorised Technical Service Centre in your area.

PROBLEMS	CAUSES	SOLUTIONS
The local air conditioner does not turn on	It is not plugged in	plug it in
	there is no power	wait
	the internal protection device was triggere	call the help centre
The local air conditioner works for a short period of time	the air exhaust hose is obstructed or bent	correctly position the air exhaust hose, limiting the length and curves as much as possible and avoiding any obstructions
	an obstruction is impeding air exhaust outside	identify and remove the obstacles that impede air exhaust outside
The local air conditioner runs but does not cool the room	windows, doors, drapes open	close the windows, doors and drapes, keeping in mind the "recommendations for proper use"
	there is some heat source in the room (oven, hair dryer, etc.)	eliminate the heat source
	the air exhaust hose is disconnected from the appliance	attach the air exhaust hose to the housing on the back of the appliance (fig.1)
	dust filters clogged	clean or replace the filters as previously described
	the technical characteristics of the appliance are not suitable for cooling the room where it is located	
During operation there is an unpleasant odour in the room	dust filters clogged	clean or replace the filters as previously described
The local air conditioner does not work for about 3 minutes from restart	to protect the compressor there is an internal device that delays startup for about 3 minutes from restart	wait; this time delay from restart is normal
One of the following messages appears on the display: LT/LH/HL/PF/FI/F2	the appliance has a self-diagnosis system that identifies some operating errors	refer to the SELF-DIAGNOSIS chapter