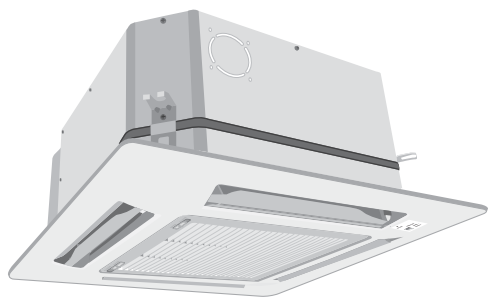


Operating Instructions
Air Conditioner



Model No.
Indoor Unit
CS-E12RB4UW
CS-E18RB4UW

Outdoor Unit
Single Split
CU-E12RB4U
CU-E18RB4U

Multi Split
CU-2E18NBU
CU-5E36QBU

Disponibilité des pièces de rechange, des services de réparation et des renseignements pour l'entretien ou la réparation

Disponibles uniquement auprès d'un détaillant/entrepreneur agréé

Services de réparation

Disponibles uniquement auprès d'un détaillant/entrepreneur agréé

Renseignements pour l'entretien ou la réparation

Entretien par le client dans le manuel d'utilisation

Availability of replacement parts, repair services, and information for maintenance or repair

Available through authorized dealer/contractor only

Repair services

Available through authorized dealer/contractor only

Information for maintenance or repair

Customer maintenance covered in Owner's Manual



Operating Instructions
Air Conditioner 2-11

Instructions d'utilisation
Climatiseur 13-23

Thank you for purchasing Panasonic Air Conditioner.

Installation instructions attached.
Before operating the unit, read these operating instructions thoroughly and keep them for future reference.
The illustrations in this manual are for explanation purposes only and may differ from the actual unit.
They are subject to change without notice for future improvement.

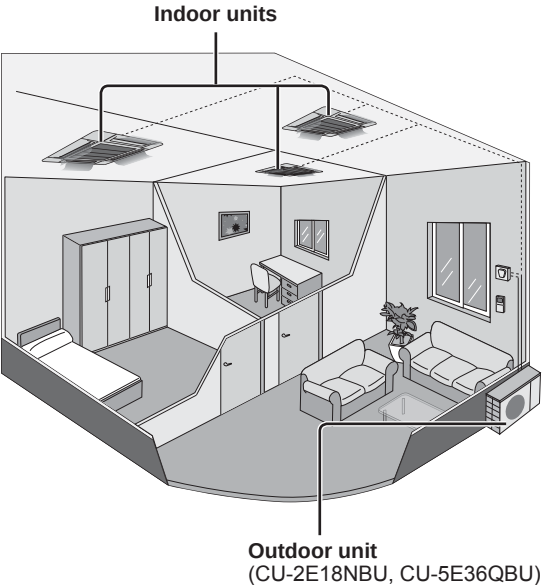
Multi air conditioner system

Multi air conditioner systems save space by letting you connect multiple indoor units to a single outdoor unit.

- For complete product features, please refer catalogue.

Indoor units

- It is possible to operate the indoor units individually or simultaneously. The priority of operation is placed on the first unit that turned on.
- During operation, HEAT and COOL modes cannot activate at the same time for different indoor units.
- The power indicator blinks to indicate the indoor unit is standing by for a different operation mode.



Operation conditions

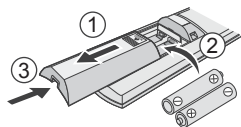
Use this air conditioner under the following temperature range.
DBT : Dry bulb temperature
WBT : Wet bulb temperature

Temperature (°F/°C)		CS-E12RB4UW CS-E18RB4UW		CU-E12RB4U CU-E18RB4U		CU-2E18NBU CU-5E36QBU	
		DBT	WBT	DBT	WBT	DBT	WBT
COOL	Max.	89.6/32	73.4/23	114.8/46	78.8/26	114.8/46	78.8/26
	Min.	60.8/16	51.8/11	0/-17.8	-/-	14.0/-10	-/-
HEAT	Max.	86.0/30	-/-	75.2/24	64.4/18	75.2/24	64.4/18
	Min.	60.8/16	-/-	5.0/-15	3.2/-16	5.0/-15	3.2/-16

Power Supply

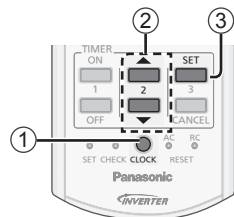
Models Number	Time Delay Circuit Breaker	Rated Volts
CS-E12RB4UW / CU-E12RB4U	15 Amps	208/230V
CS-E18RB4UW / CU-E18RB4U	25 Amps	
CS-E12RB4UW / CU-2E18NBU	25 Amps	
CS-E12RB4UW / CS-E18RB4UW / CU-5E36QBU	45 Amps	

Quick guide



Inserting the batteries

- ① Pull out the back cover of remote control
- ② Insert AAA or R03 batteries (can be used ~ 1 year)
- ③ Close the cover



Clock setting

- ① Press **CLOCK**
- ② Set the time
- ③ Confirm

Basic operation

- ① Select the desired mode
 AUTO → HEAT
 FAN ← DRY ← COOL
- ② Start/stop the operation



- Please note that the OFF indication **OFF** is on to start.

- ③ Select the desired temperature

- Selection range (Not applicable for FAN mode):
 60°F ~ 86°F / 16°C ~ 30°C.

- Operating the unit within the recommended temperature may save energy.

HEAT : 68°F ~ 75°F / 20°C ~ 24°C.

COOL : 78°F ~ 82°F / 26°C ~ 28°C.

DRY : 2°F ~ 4°F / 1°C ~ 2°C lower than room temperature.

- To dim or restore the unit's indicator brightness, press and hold for 5 seconds.

- Use remote control within 26ft/8m from the remote control receiver of the indoor unit.

Table of contents

Safety precautions.....	4-5
How to use.....	6-7
Cleaning instructions	8
Troubleshooting.....	9-10
Information.....	11

Accessories

- Remote control
- AAA or R03 batteries × 2
- Remote control holder
- Screws for remote control holder × 2

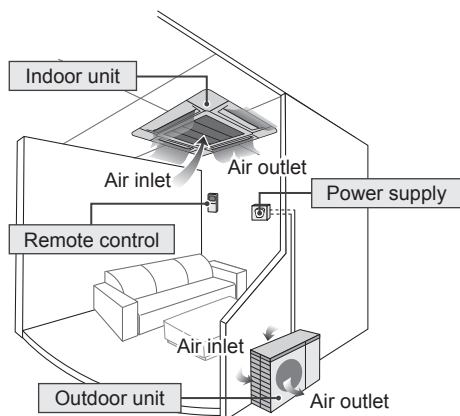
Safety precautions

To prevent personal injury, injury to others or property damage, please comply with the following: Incorrect operation due to failure to follow instructions below may cause harm or damage, the seriousness of which is classified as below:

	WARNING	This sign warns of death or serious injury.
	CAUTION	This sign warns of injury or damage to property.

The instructions to be followed are classified by the following symbols:

	This symbol denotes an action that is PROHIBITED .
  	These symbols denote actions COMPULSORY .



WARNING

Indoor unit and outdoor unit



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Please consult authorised dealer or specialist to clean the internal parts, repair, install, remove and reinstall the unit. Improper installation and handling will cause leakage, electric shock or fire.

Confirm with authorised dealer or specialist on usage of any specified refrigerant type. Using refrigerant type other than the specified may cause product damage, burst and injury etc.



Do not install the unit in a potentially explosive or flammable atmosphere. Failure to do so could result in fire.

Do not insert your fingers or other objects into the air conditioner indoor or outdoor unit, rotating parts may cause injury.



Do not touch the outdoor unit during lightning, it may cause electric shock.

Do not expose yourself directly to cold air for a long period to avoid excess cooling.

Do not sit or step on the unit, you may fall down accidentally.



Remote control



Do not allow infants and small children to play with the remote control to prevent them from accidentally swallowing the batteries.

Power supply



Do not use a modified cord, joint cord, extension cord or unspecified cord to prevent overheating and fire.





- To prevent overheating, fire or electric shock:
- Do not share the same power outlet with other equipment.
 - Do not operate with wet hands.
 - Do not over bend the power supply cord.



If the supply cord is damaged, it must be replaced by the manufacturer, service agent or similarly qualified persons in order to avoid a hazard.

It is strongly recommended to install this unit using an Earth Leakage Circuit Breaker (ELCB) or Ground Fault Interrupt (GFCI) or Appliance Leakage Current Interrupt (ALCI) to prevent electric shock or fire.

Stop using the product if any abnormality/failure occurs or turn off the power switch and breaker. (Risk of smoke/fire/electric shock)

Examples of abnormality/failure

- The ELCB or GFCI or ALCI trip frequently.
- Burning smell is observed.
- Abnormal noise or vibration of the unit is observed.
- Water leaks from the indoor unit.
- Power cord becomes abnormally hot.
- Fan speed cannot be controlled.
- The unit stops running immediately even if it is switched on for operation.
- The fan does not stop even if the operation is stopped.

Contact your local dealer immediately for maintenance or repair assistance.



This equipment must be earthed to prevent electrical shock or fire.



Prevent electric shock by switching off the power supply:

- Before cleaning or servicing,
- When extended non-use, or
- During abnormally strong lightning activity.



CAUTION

Indoor unit and outdoor unit



Do not wash the indoor unit with water, benzene, thinner or scouring powder to avoid damage or corrosion at the unit.



Do not use for preservation of precise equipment, food, animals, plants, artwork or other objects. This may cause quality deterioration, etc.

Do not use any combustible equipment in front of the airflow outlet to avoid fire propagation.

Do not expose plants or pet directly to airflow to avoid injury, etc.

Do not touch the sharp aluminium fin, sharp parts may cause injury.



Do not switch ON the indoor unit when waxing the floor. After waxing, aerate the room properly before operating the unit.

Do not install the unit in oily and smoky areas to prevent damage to the unit.

Do not dismantle the unit for cleaning purpose to avoid injury.

Do not step onto an unstable bench when cleaning the unit to avoid injury.

Do not place a vase or water container on the unit. Water may enter the unit and degrade the insulation. This may cause an electric shock.

Do not open window or door for long time during COOL/DRY mode operation.



Prevent water leakage by ensuring drainage pipe is:

- Connected properly,
- Kept clear of gutters and containers, or
- Not immersed in water

After a long period of use or use with any combustible equipment, aerate the room regularly.

After a long period of use, make sure the installation rack does not deteriorate to prevent the unit from falling down.

Remote control



Do not use rechargeable (Ni-Cd) batteries. It may damage the remote control.



To prevent malfunction or damage of the remote control:

- Remove the batteries if the unit is not going to be used for a long period of time.
- New batteries of the same type must be inserted following the polarity stated.

How to use

Single Single split system

Multi Multi split system

MODE



To select operation mode

AUTO - For your convenience

- During operation mode selection the POWER indicator blinks.

Single • Unit selects operation mode every 10 minutes according to setting temperature and room temperature.

Multi • Unit selects operation mode every 3 hours according to setting temperature, outdoor temperature and room temperature.

HEAT - To enjoy warm air

- Unit takes a while to warm up. The POWER indicator blinks during this operation.

COOL - To enjoy cool air

- Provides efficient comfort cooling to suit your needs.

DRY - To dehumidify the environment

- Unit operates at low fan speed to give a gentle cooling operation.

FAN - To circulate air in the room

POWERFUL/QUIET



To switch between powerful & quiet

→ POWERFUL → QUIET → NORMAL

POWERFUL: To reach temperature quickly

☼ ● POWERFUL

Single • This operation stops automatically after 20 minutes.

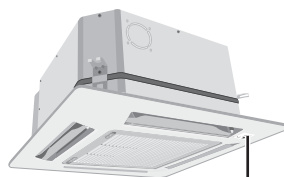
Multi • Press the button again or turn OFF the unit to stop this operation.

QUIET: To enjoy quiet operation

☼ ● QUIET

- This operation reduces airflow noise.

Can be activated in all modes and can be cancelled by pressing the respective button again.



Remote control receiver

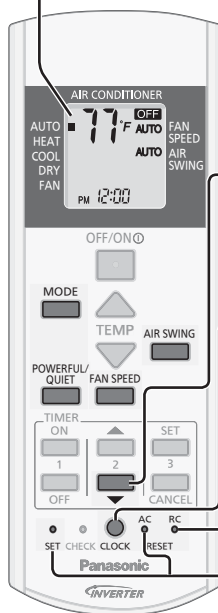
Control Panel

- POWER (Green)
- TIMER (Orange)
- POWERFUL (Orange)
- QUIET (Orange)
- AIR SWING (Orange)



AUTO

Remote control display



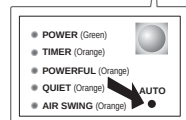
Press and hold for approximately 10 seconds to show temperature setting in °F or °C.

Press and hold for approximately 5 seconds to show 12-hour (am/pm) or 24-hour time indication.

Press to restore the remote control to default setting.

Not used in normal operations.

Auto OFF/ON button



Use when remote control is misplaced or a malfunction occurs.

- Press the button once to use in AUTO mode.
 - Press and hold the button until you hear 1 beep, then release to use in forced COOL mode.
 - Repeat step 2. Press and hold the button until you hear 2 beeps, then release to use in normal COOL mode.
 - Repeat step 3. Press and hold the button until you hear 3 beeps, then release to use in forced HEAT mode.
- Press the button again to turn off.

FAN SPEED



To select fan speed

(Remote control display)



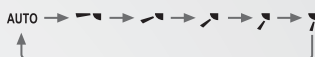
- For AUTO, the indoor fan speed is automatically adjusted according to the operation mode.

AIR SWING



To adjust vertical airflow direction

(Remote control display)



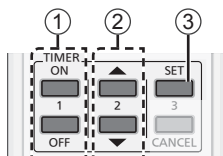
- Keeps the room ventilated.
- In COOL/DRY mode, if AUTO is set, the louver swings up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal louver is fixed at the predetermined position.
- Do not adjust the louver by hand.

Auto Restart Control

- If power is resumed after a power failure, the operation will restart automatically after a period of time with previous operation mode and airflow direction.
- This control is not applicable when TIMER is set.

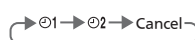
To set the timer

2 sets of ON and OFF timers are available to turn ON or OFF the unit at different preset times.



① Select ON or OFF timer

- Each time pressed:



Example:

OFF at 11:50PM



② Set the time



③ Confirm



- To cancel ON or OFF timer, press or to select respective ① or ② then press .
- If timer is cancelled manually or due to power failure, you can restore the timer again by pressing or to select respective ① or ② then press .
- The nearest timer setting will be displayed and will activate in sequence.
- When ON Timer is set, the unit may start earlier (up to 35 minutes) before the actual set time in order to achieve the desired temperature on time.
- Timer operation is based on the clock set in the remote control and repeats daily once set. For clock setting, please refer to Quick guide.

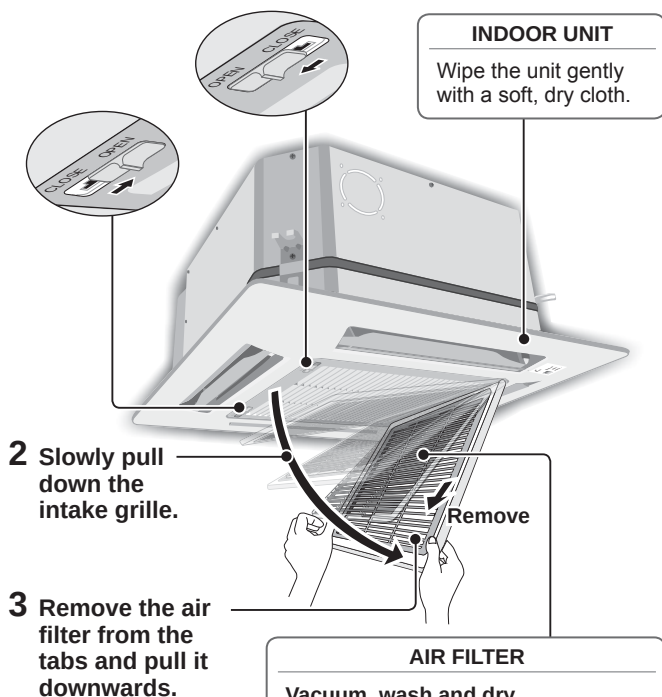
Cleaning instructions

To ensure optimal performance of the unit, cleaning has to be carried out at regular intervals.
Please consult authorised dealer.

- Switch off the power at the circuit breaker before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.
- Do not use benzine, thinner or scouring powder.
- Use only soap ($\approx$ pH 7) or neutral household detergent.
- Do not use water hotter than 104°F / 40°C.

Remove Air Filter

1 Press the knobs.

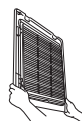


Vacuum, wash and dry.

- It is recommended to clean the air filter every 6 weeks.
- Do not operate without an air filter.
- Wash/rinse the air filter gently with water to avoid damage to the air filter surface.
- Do not dry the part with a hair dryer or a stove.
- Replace any damaged air filters.

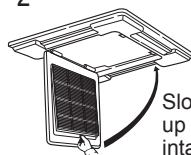
Air Filter Installation

1



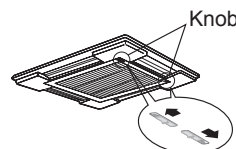
Insert the air filter to the tabs of the intake grille.

2



Slowly bring up the intake grille.

3



Press the knobs to the CLOSE side.

For seasonal inspection after extended non-use

- Checking of remote control batteries.
- No obstruction at air inlet and air outlet vents.
- After 15 minutes of operation, it is normal to have the following temperature difference between air inlet and air outlet vents: **COOL: $\geq 14.4^\circ\text{F}/8^\circ\text{C}$** **HEAT: $\geq 25.2^\circ\text{F}/14^\circ\text{C}$**

For extended non-use

- Activate HEAT mode for 2~3 hours to remove moisture left in the internal parts thoroughly to prevent mould growth.
- Turn off the power supply.
- Remove the remote control batteries.

Troubleshooting

The following symptoms do not indicate malfunction.

Symptom	Cause
Mist emerges from indoor unit.	• Condensation effect due to cooling process.
Water flowing sound during operation.	• Refrigerant flow inside the unit.
The room has a peculiar odour.	• This may be due to damp smell emitted by the wall, carpet, furniture or clothing.
Indoor fan stops occasionally during automatic fan speed setting.	• This helps to remove the surrounding odour.
Airflow continues even after operation has stopped.	• Extraction of remaining heat from the indoor unit (maximum 30 seconds).
Operation is delayed a few minutes after restarting.	• The delay is a protection to the unit's compressor.
Outdoor unit emits water/steam.	• Condensation or evaporation occurs on pipes.
TIMER indicator is always on.	• The timer setting repeats daily once set.
Indoor fan stops occasionally during heating operation.	• To avoid unintended cooling effect.
POWER indicator blinks before the unit is switched on.	• This is a preliminary step in preparation for the operation when the ON timer has been set.
Cracking sound during operation.	• Changes of temperature caused the expansion/contraction of the unit.
Discoloration of some plastic parts.	• Discoloration is subject to material types used in plastic parts, accelerated when exposed to heat, sun light, UV light, or environmental factor.

Check the following before calling for servicing.

Symptom	Check
Operation in HEAT/COOL mode is not working efficiently.	• Set the temperature correctly. • Close all doors and windows. • Clean or replace the filters. • Clear any obstruction at the air inlet and air outlet vents.
Noisy during operation.	• Check if the unit has been installed at an incline. • Close the intake grille properly.
Remote control does not work. (Display is dim or transmission signal is weak.)	• Insert the batteries correctly. • Replace weak batteries.
The unit does not work.	• Check if the circuit breaker is tripped. • Check if timers have been set.
The unit does not receive the signal from the remote control.	• Make sure the receiver is not obstructed. • Certain fluorescent lights may interfere with signal transmitter. Please consult authorised dealer.

NON SERVICEABLE CRITERIAS

SWITCH OFF POWER AT THE CIRCUIT BREAKER then please consult an authorised dealer under the following conditions:

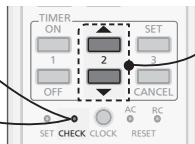
- Abnormal noise during operation.
- Water/foreign particles have entered the remote control.
- Water leaks from Indoor unit.
- Circuit breaker switches off frequently.
- Switches or buttons are not functioning properly.

Troubleshooting

The unit stops and the TIMER indicator blinks.

Use remote control to retrieve error code.

- ① Press for 5 seconds
- ② Press until you hear beep sound, then write down the error code
- ③ Press for 5 seconds to quit checking
- ④ Turn the unit off and reveal the error code to authorised dealer



• For certain errors, you may restart the unit for limited operation with 4 beeps when operation starts.

Diagnostic display	Abnormality/Protection control
H 00	No memory of failure
H 11	Indoor/outdoor abnormal communication
H 12	Indoor unit capacity unmatched
H 14	Indoor intake air temperature sensor abnormality
H 15	Outdoor compressor temperature sensor abnormality
H 16	Outdoor current transformer (CT) abnormality
H 19	Indoor fan motor mechanism lock
H 21	Indoor float switch operation abnormality
H 23	Indoor heat exchanger temperature sensor 1 abnormality
H 24	Indoor heat exchanger temperature sensor 2 abnormality
H 27	Outdoor air temperature sensor abnormality
H 28	Outdoor heat exchanger temperature sensor abnormality
H 30	Outdoor discharge pipe temperature sensor abnormality
H 33	Indoor/outdoor misconnection abnormality
H 35	Indoor/outdoor water adverse current abnormality
H 38	Indoor/outdoor mismatch (brand code)

Diagnostic display	Abnormality/Protection control
H 97	Outdoor fan motor mechanism lock
H 98	Indoor high pressure protection
H 99	Indoor operating unit freeze protection
F 11	4-way valve switching abnormality
F 90	Power factor correction (PFC) circuit protection
F 91	Refrigeration cycle abnormality
F 93	Outdoor compressor abnormal revolution
F 95	Outdoor cooling high pressure protection
F 96	Power transistor module overheating protection
F 97	Compressor overheating protection
F 98	Total running current protection
F 99	Outdoor direct current (DC) peak detection





Pb

Information for Users on Collection and Disposal of Old Equipment and used Batteries

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Contact your local hazardous waste disposal hotline.

Models Number	CS-E12RB4UW / CS-E18RB4UW
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The above listed models have been designed and manufactured to meet ENERGY STAR® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and airflow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Federal Communications Commission Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, follow the attached installation instructions. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada Notice

This Class B digital apparatus complies with Canadian ICES-003.

Panasonic Corporation

Website: <http://www.panasonic.com>

Panasonic Canada Inc.

Website: <http://www.panasonic.com>

For support: <http://www.panasonic.ca/english/support>

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