

## Operating Instructions Air Conditioner



### Model No.

#### Indoor Unit

CS-BE25TKE  
CS-BE35TKE  
CS-BE50TKE  
CS-DE25TKE  
CS-DE35TKE  
CS-DE50TKE  
CS-KE25TKE  
CS-KE35TKE  
CS-KE50TKE

#### Outdoor Unit

CU-BE25TKE  
CU-BE35TKE  
CU-BE50TKE  
CU-DE25TKE  
CU-DE35TKE  
CU-DE50TKE  
CU-KE25TKE  
CU-KE35TKE  
CU-KE50TKE

### Operating Instructions Air Conditioner

2-13

Before operating the unit, please read these operating instructions thoroughly and keep them for future reference. The included Installation Instructions should be kept and read by the installer before installation. Remote control is packaged in the indoor unit and removed by the installer before installation.

### Comment utiliser l'appareil Climatiseur

14-25

Avant d'utiliser l'appareil, veuillez lire ce mode d'emploi dans son intégralité et conservez-le pour toute référence ultérieure. Le manuel d'installation inclus doit être conservé et lu par l'installateur avant l'installation. La télécommande est emballée dans l'unité intérieure et retirée par l'installateur avant l'installation.

### Instrucciones de funcionamiento Climatizador de aire

26-37

Antes de utilizar la unidad, sírvase leer atentamente estas instrucciones de funcionamiento y conservarlas para futuras consultas. El instalador debe guardar y leer las Instrucciones de instalación incluidas antes de la instalación. El mando a distancia viene embalado en la unidad interior y debe ser retirado por el instalador antes de la instalación.

### Bedienungsanleitung Klimagerät

38-49

Bevor Sie das Gerät in Betrieb nehmen, lesen Sie bitte diese Bedienungsanleitung aufmerksam durch und bewahren Sie sie als künftige Referenz auf. Das mitgelieferte Installationshandbuch sollte aufbewahrt und vor der Installation vom Installateur gelesen werden. Die Fernbedienung ist im Innengerät verpackt und wird vor der Installation durch den Installateur entfernt.

### Istruzioni di funzionamento Condizionatore d'aria

50-61

Prima di utilizzare l'unità, leggere attentamente le istruzioni e conservare questo opuscolo per potervi fare riferimento in futuro. Le istruzioni per l'installazione fornite in dotazione devono essere conservate e lette dall'installatore prima dell'installazione. Il telecomando si trova nell'unità interna e deve essere rimosso dall'installatore prima dell'installazione.

### Handleiding Airconditioner

62-73

Lees voor u het apparaat gebruikt deze gebruikshandleiding grondig en bewaar deze voor toekomstig gebruik. De bijgevoegde installatiehandleiding moet door de installateur worden bewaard en gelezen vóór de installatie. De afstandsbediening is in de binnenunit verpakt en moet vóór de installatie door de installateur worden verwijderd.

English

Français

Español

Deutsch

Italiano

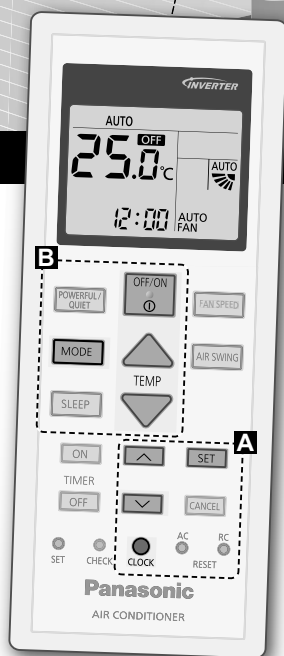
Nederlands



ACXF55-05600

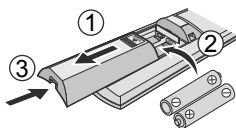
Provides maximum comfort and clean air with optimal energy saving methods.

Use remote control within 8 m from the remote control receiver of the indoor unit.



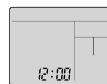
## Quick Guide





### Inserting the batteries



- ① Pull out the back cover of remote control.
- ② Insert AAA or R03 batteries.
- ③ Close the cover.

### A Clock setting



- ① Press  and set the time .
- Press  and hold for approximately 5 seconds to show time in 12-hour (am/pm) or 24 hour indication.
- ② Confirm .

Thank you for purchasing  
Panasonic Air Conditioner.

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### Accessories

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

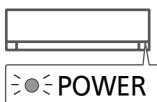
The illustrations in this manual are for explanation purposes only and may differ from the actual unit. They are subject to change without notice for future improvement.

## B Basic operation

- ① Press **MODE** to select the desired mode.

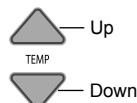


- ② Press **OFF/ON** to start/stop the operation.




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

- ③ Select the desired temperature.



Selection range:  
16.0 °C ~ 30.0 °C /  
60 °F ~ 86 °F.

- Press and hold  for approximately 10 seconds to switch the temperature indication in °C or °F.

# 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:

This appliance is not intended for accessibility by the general public.



## WARNING

This sign warns of death or serious injury.



## CAUTION

This sign warns of injury or damage to property.

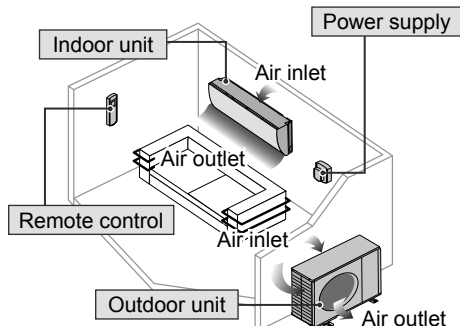
The instructions to be followed are classified by the following symbols:



This symbol denotes an action that is **PROHIBITED**.



These symbols denote actions **COMPULSORY**.



## WARNING

### Indoor unit and outdoor unit



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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.
- Do not operate or stop the unit by inserting or pulling out the power plug.



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 be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD) to prevent electric shock or fire.

To prevent overheating, fire or electric shock:

- Insert the power plug properly.
- Dust on the power plug should be periodically wiped with a dry cloth.

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

Examples of abnormality/failure

- The ELCB trips frequently.
  - Burning smell is observed.
  - Abnormal noise or vibration of the unit is observed.
  - Water leaks from the indoor unit.
  - Power cord or plug 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/repair.



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



Prevent electric shock by switching off the power supply and unplug:



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

# Safety precautions



## 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 operation, it may lead to inefficient power usage and uncomfortable temperature changes.



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.



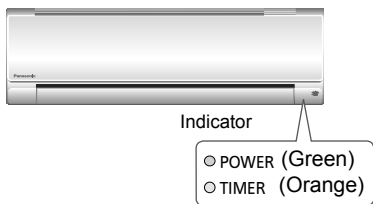
- To prevent malfunction or damage of the remote control:
- Remove the batteries if the unit is not going to be used for a long period of time.
  - New batteries of the same type must be inserted following the polarity stated.

### Power supply



Do not disconnect the plug by pulling the cord to prevent electric shock.

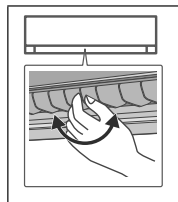
# How to use



## To adjust airflow direction



- Do not adjust the flap by hand.



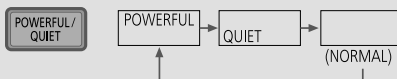
- For lateral direction, it is manually adjustable as shown.

## To adjust fan speed



- For AUTO, the indoor fan speed is automatically adjusted according to the operation mode.
- To have low noise priority operation, select the lowest fan speed (■).

## To switch between powerful/quiet



### POWERFUL:

#### To reach the preset temperature quickly

- This operation stops automatically after 20 minutes.

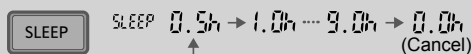
### QUIET:

#### To enjoy quiet operation

- This operation reduces airflow noise.

## To maximise comfort while sleeping

This operation provides you with a comfortable environment while sleeping. It will automatically adjust the sleep pattern temperature during the activation period. The indoor unit indicator will dim when this operation is activated. This is not applicable if the indicator brightness has been manually dimmed.



This operation is incorporated with the activation timer (0.5, 1, 2, 3, 4, 5, 6, 7, 8 or 9 hours).

- This operation can be set together with timer. Sleep operation has the priority over OFF timer.
- This operation can be cancelled by pressing the respective button when the sleep timer reaches 0.0h.

# How to use

## 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

ON

TIMER

OFF

②

↑

↓

③

SET

CANCEL

① **Select ON or OFF timer**

• Each time pressed:

→ ① → ② → Cancel

② **Set the time**

③ **Confirm**

Example:  
OFF at 22:00

OFF

OFF ①

0:00

↑

↓

OFF ①

22:00

SET

OFF ①

22:00

- To cancel ON or OFF timer, press **ON** or **OFF** to select respective ① or ② then press **CANCEL**.
- If timer is cancelled manually or due to power failure, you can restore the timer again by pressing **ON** or **OFF** to select respective ① or ② then press **SET**.
- The nearest timer setting will be displayed and will activate in sequence.
- 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.

### Note

<div><div>POWERFUL / QUIET</div><div>SLEEP</div></div> <ul style="list-style-type: none"><li>• Can be activated in all modes and can be cancelled by pressing the respective button again.</li></ul>	<div><div>POWERFUL / QUIET</div></div> <ul style="list-style-type: none"><li>• Cannot be selected at the same time.</li></ul>
--	---

## Operating conditions

Use this air conditioner in the temperature range indicated in the table.

Temperature °C (°F)		Indoor		Outdoor	
		DBT	WBT	DBT	WBT
COOL	Max.	32 (89.6)	23 (73.4)	43 (109.4)	26 (78.8)
	Min.	16 (60.8)	11 (51.8)	5 (41.0)	-
HEAT	Max.	30 (86.0)	-	24 (75.2)	18 (64.4)
	Min.	16 (60.8)	-	-15 (5.0)	-16 (3.2)

DBT: Dry bulb temperature, WBT: Wet bulb temperature



# To learn more...

## Operation mode

- AUTO** : During operation, the POWER indicator will blink at initial.  
Unit selects operation mode every 10 minutes according to the setting and room temperatures.
- HEAT** : The POWER indicator blinks at the initial stage of this operation. Unit takes a while to warm up.
- COOL** : Provides efficient comfort cooling to suit your needs.
- DRY** : Unit operates at low fan speed to give a gentle cooling operation.

## Energy saving temperature setting

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

**HEAT** : 20.0 °C ~ 24.0 °C / 68 °F ~ 75 °F.

**COOL**: 26.0 °C ~ 28.0 °C / 79 °F ~ 82 °F.

## Air flow direction

### In COOL/DRY mode:

If AUTO is set, the flap swings up/down automatically.

## 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.

# Cleaning instructions

To ensure optimal performance of the unit, cleaning has to be carried out at regular intervals. Dirty unit may cause malfunction and you may see error code "H 99". Please consult authorised dealer.

- Switch off the power supply and unplug 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 40 °C / 104 °F.

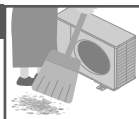
## Indoor unit

Wipe the unit gently with a soft, dry cloth.



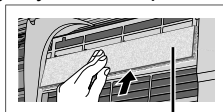
## Outdoor unit

Make sure the air outlet of the outdoor unit is not blocked by fallen leaves or snow. Clear any blockage from the drain pipe.



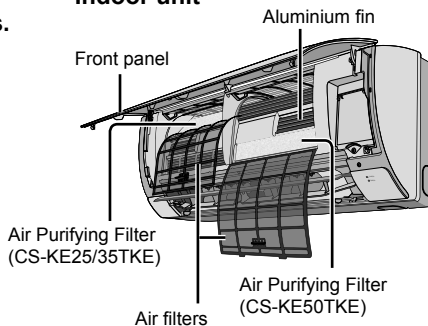
## Air Purifying Filter

- Do not wash/rinse the filter with water.
  - Replace the filter every 2 years or replace any damaged filter.
- Part no.: CZ-SA31P



Air Purifying Filter

## Indoor unit



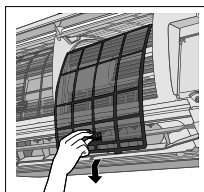
## Air filters

Once every 2 weeks

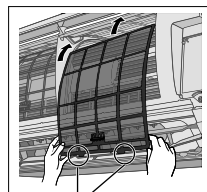
- Wash/rinse the filters gently with water to avoid damage to the filter surface.
- Dry the filters thoroughly under shade, away from fire or direct sunlight.
- Replace any damaged filters.



## Remove air filter



## Attach air filter



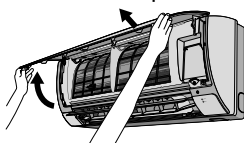
Insert into the unit

## Front panel

Wash gently and dry.

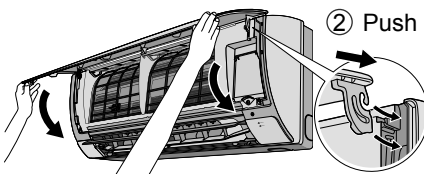
## Remove the front panel

- ② Pull out and lift up.



- ① Release the hooks at both ends.

## Close it securely



- ③ Close down.
- ④ Press both ends and center of the front panel.

- ② Push in.

- ① Insert at both sides.

# 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.
POWER indicator blinks during HEAT mode with no warm air supply (and flap is closed).	• The unit is in defrost mode (and AIR SWING is set to AUTO).
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. 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.
Cracking sound during operation.	• Changes of temperature caused the expansion/contraction of the unit.
Dusts accumulated on the wall.	• Due to air circulation or static electricity generated by the air conditioner. Some types of wall paper may collect dusts easily (recommended to clean the area around the air conditioner frequently).
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.
Cooling/heating capacity reduced during the lowest fan speed setting.	• The low fan speed is low noise priority operation, so cooling/heating capacity may be reduced (depending on the condition). Increase the Fan Speed to increase the capacity.

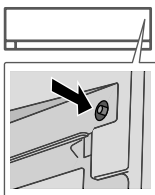
Check the following before calling for servicing.

Symptom	Check
Operation in HEAT/COOL mode is not working efficiently.	<ul style="list-style-type: none"> <li>• Set the temperature correctly.</li> <li>• Close all doors and windows.</li> <li>• Clean or replace the filters.</li> <li>• Clear any obstruction at the air inlet and air outlet vents.</li> </ul>
Noisy during operation.	<ul style="list-style-type: none"> <li>• Check if the unit has been installed at an incline.</li> <li>• Close the front panel properly.</li> </ul>
Remote control does not work. (Display is dim or transmission signal is weak.)	<ul style="list-style-type: none"> <li>• Insert the batteries correctly.</li> <li>• Replace weak batteries.</li> </ul>
The unit does not work.	<ul style="list-style-type: none"> <li>• Check if the circuit breaker is tripped.</li> <li>• Check if timers have been set.</li> </ul>
The unit does not receive the signal from the remote control.	<ul style="list-style-type: none"> <li>• Make sure the receiver is not obstructed.</li> <li>• Certain fluorescent lights may interfere with signal transmitter. Please consult authorised dealer.</li> </ul>

# Troubleshooting

## When...

### ■The remote control is missing or a malfunction has occurred



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

### ■The indicators are too bright

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

### ■Conducting a seasonal inspection after extended non-use

- Check the remote control batteries.
- Check that there is no obstruction around the air inlet and outlet vents.
- Use Auto OFF/ON button to select COOL/HEAT operation. After 15 minutes of operation, it is normal to have the following temperature difference between the air inlet and outlet vents:

COOL:  $\geq 8^{\circ}\text{C}$  /  $14.4^{\circ}\text{F}$     HEAT:  $\geq 14^{\circ}\text{C}$  /  $25.2^{\circ}\text{F}$

### ■The units are not going to be used for a long period of time

- 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 and unplug.
- Remove the remote control batteries.

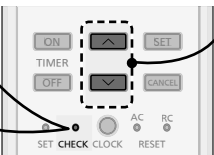
### NON SERVICEABLE CRITERIAS

TURN OFF THE POWER SUPPLY AND UNPLUG then please consult an authorised dealer when in following conditions:

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

## How to retrieve error codes

If the unit stops and the TIMER indicator blinks, use the remote control to retrieve the 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 if there are 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 25	Indoor ion device 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 32	Outdoor heat exchanger temperature sensor 2 abnormality
H 33	Indoor/outdoor misconnection abnormality
H 34	Outdoor heat sink temperature sensor abnormality
H 35	Indoor/outdoor water adverse current abnormality
H 36	Outdoor gas pipe temperature sensor abnormality

Diagnostic display	Abnormality/Protection control
H 37	Outdoor liquid pipe temperature sensor abnormality
H 38	Indoor/outdoor mismatch (brand code)
H 39	Abnormal indoor operating unit or standby units
H 41	Abnormal wiring or piping connection
H 59	Eco sensor abnormality
H 64	Outdoor high pressure sensor abnormality
H 67	nanoe abnormality
H 70	Light sensor abnormality
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 17	Indoor standby units freezing abnormality
F 90	Power factor correction (PFC) circuit protection
F 91	Refrigeration cycle abnormality
F 93	Outdoor compressor abnormal revolution
F 94	Compressor discharge pressure overshoot protection
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

## Information for Users on Collection and Disposal of Old Equipment and Used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



### **For business users in the European Union**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.



### **[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.

**Pb**

### **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.