



zen^x

600 / 800 / 1000 VA





User guide

1. SAFETY INSTRUCTIONS – Security

IMPORTANT!

Save this manual properly and read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully. Installation and Wiring must be performed in accordance with the local electrical laws and regulations. Installing and connecting UPS system in a way that does not comply with accepted practices releases Infosec Communication from any liability.

■ Transportation

1. Please transport the UPS system only in the original package to protect against shock and impact.

■ Preparation and good disposals of the device:

1. Condensation may occur if the UPS system is moved directly from cold to warm environment. The UPS system must be absolutely dry before being installed. Please allow at least two hours for the UPS system to acclimate the environment.
2. Do not install the UPS system near water or in moist environments.
3. Do not install the UPS system where it would be exposed to direct sunlight or near heater.
4. Do not block air vents in the housing of UPS. The UPS must be installed in a location with good ventilation. Ensure enough space on each side for ventilation.
5. The mains outlet that supplies the UPS must be located near the UPS and be easily accessible.
6. Install the UPS in a temperature and humidity-controlled room free of conductive interference.
7. Disconnect the UPS from AC power and switch it off before cleaning with a damp cloth (no cleaning products).
8. Do not leave any recipients containing liquid on or near the UPS.
9. Place cables in such a way that no one can step on or trip over them.
10. Prevent no fluids or other foreign objects from inside of the UPS system

■ Risk of electric shock:

1. The UPS unit uses potentially hazardous voltages. Do not attempt to disassemble this equipment as it does not contain accessible components that can be repaired by users, fuse change excepted.
2. Caution : risk of electric shock. The battery circuit is not isolated from the input voltage. Hazardous voltages may occur between the battery terminals and the ground. Before touching, please verify that no voltage is present!
3. The UPS system operates with hazardous voltages. Repairs may be carried out only by qualified maintenance personnel.
4. The utility power outlet must be near the equipment and easily accessible. To isolate the UPS from AC input and switch it off, remove the plug from the utility power outlet.
5. Do not disconnect the mains cable on the UPS system or the building wiring outlet (earthed shockproof socket outlet) during operations since this would cancel the protective earthing of the UPS system and of all connected loads.

6. The UPS has its own internal power supply (battery). There is a risk that output sockets may still be live after the UPS has been disconnected from the mains power supply.
7. In an emergency situation, switch the UPS to the "Off" position and disconnect the unit from the AC power supply.
8. When the UPS is out of order, please refer to section: **"trouble shooting"** and call the hot line.
9. Equipotential earth bonding must be checked with external battery bank if any

▪ **Connected products:**

1. Combined UPS and connected equipment leakage current should not exceed 3,5 mA.
2. Make sure that the connected load does not exceed UPS capabilities. To ensure improved backup time and longer battery life, we recommend a load equivalent to 1/3 of nominal power.
3. Do not connect appliances or devices which would overload the UPS (e.g. big motor-type equipment)) to the UPS output sockets or terminal.
4. Do not plug the UPS input into its own output socket.
5. Do not plug the UPS into a power strip or surge suppressor.
6. The UPS has been designed for personal computers. It should not be used with electrical or electronic equipment with inductive loads such as motors or fluorescent lights.
7. Do not connect any household appliances such as microwaves, vacuum cleaners, hair dryers or life-support systems to the UPS.
8. Due to excessive consumption, laser printers should not be connected to the UPS.
9. Please replace the fuse only with the same type and amperage in order to avoid fire hazards.
10. Use only CEE 7/7 plugs (FR/SCHUKO models)

▪ **About batteries:**

1. It is recommended that a qualified technician change the battery.
2. Before carrying out any kind of service or maintenance, disconnect the batteries and verify that no current is present and no hazardous voltage exists in the terminals of high capability capacitor such as BUS-capacitors.
3. Do not dispose of the battery in a fire as it may explode.
4. **Do not open or damage the battery!** The electrolyte, fundamentally sulphuric acid, can be toxic and harmful to the skin and eyes. If you come into contact with it, wash thoroughly with water and clean dirtied clothes.
5. Do not throw the battery into a fire. It may explode. It has to be disposed of separately at the end of its useful life. Refer to local legislation and regulations.
6. The UPS contains one or two large-capacity batteries. To avoid any danger of electric shock do not open it/them. If a battery needs servicing or has to be replaced, please contact the distributor.
7. Servicing should be performed or supervised by competent personnel who take the necessary precautions. Keep unauthorised personnel away from batteries.
8. A battery may present a risk of electric shock and cause short circuits. The following precautions should be taken by the qualified technician:
 - ✓ Remove watches, rings or other metal objects from hands.
 - ✓ Use tools with insulated handles.
 - ✓ Disconnect the charging source prior to connecting or disconnecting battery terminals.
 - ✓ When replacing batteries, use the same type and number of sealed lead-acid batteries.

STORAGE INSTRUCTIONS

The UPS should be stored with its battery fully charged. In the event of long-term storage, the batteries should be recharged once every 3 months for 24 hours (by plugging the UPS into the mains power supply and switching "ON") to avoid any deterioration in battery performance.

Do not keep or use the UPS in any of the following environments:

- ✓ Any area with combustible gas, corrosive substances or heavy dust.
- ✓ Areas with excessively high or low temperature (above 40°C or below 0°C) and humidity of more than 90%.
- ✓ Areas exposed to direct sunlight or near sources of heat.
- ✓ Areas subject to major vibration.
- ✓ Outside

In the event of fire in the vicinity, please use dry-powder extinguishers. The use of liquid extinguishers may present a danger of electric shock.

AFTER SALES SERVICE

IMPORTANT!

When calling the After-Sales Department, please have the following information ready, it will be required regardless of the problem: UPS model, serial number and date of purchase.

Please provide an accurate description of the problem with the following details: type of equipment powered by the UPS, indicator led status, alarm status, installation and environmental conditions.

You will find the technical information you require on your guarantee or on the identification plate on the back of the unit. If convenient you may enter the details in the following box.

Model	Serial number	Date of purchase
Zen-X ...		

! Please keep the original packaging. It will be required in the event the UPS is returned to the After-Sales Department.

▪ **CE conformity:**



This logo means that this product with compliant with EMC and LVD standards (regarding to the regulation associated with the electric equipment voltage and the electromagnetic fields) as well as RoHS directives.

This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

IMPORTANT



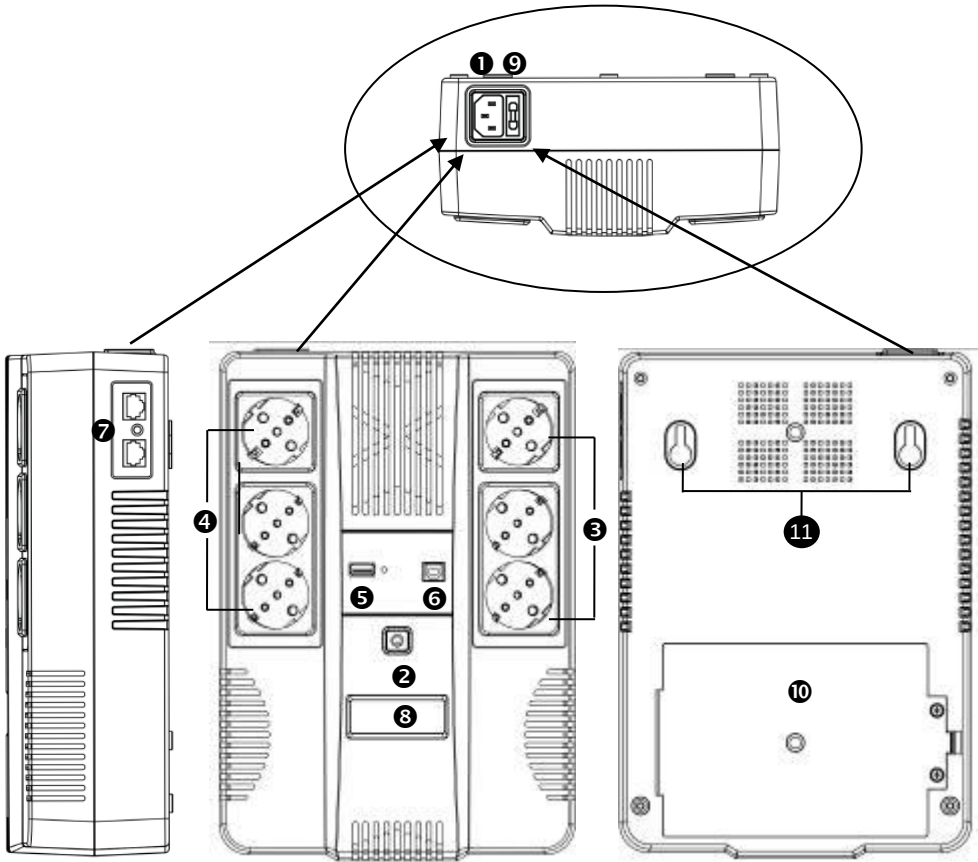
A UPS belongs to the electronic and electrical equipment category. At the end of its useful life it must be disposed of separately and in an appropriate manner.

This symbol is also affixed to the batteries supplied with this device, which means they too have to be taken to the appropriate place at the end of their useful life.

Contact your local recycling or hazardous waste centre for information on proper disposal of the used battery.

6. DESCRIPTION

Zen-X 600/800 VA



Right side view

Front view

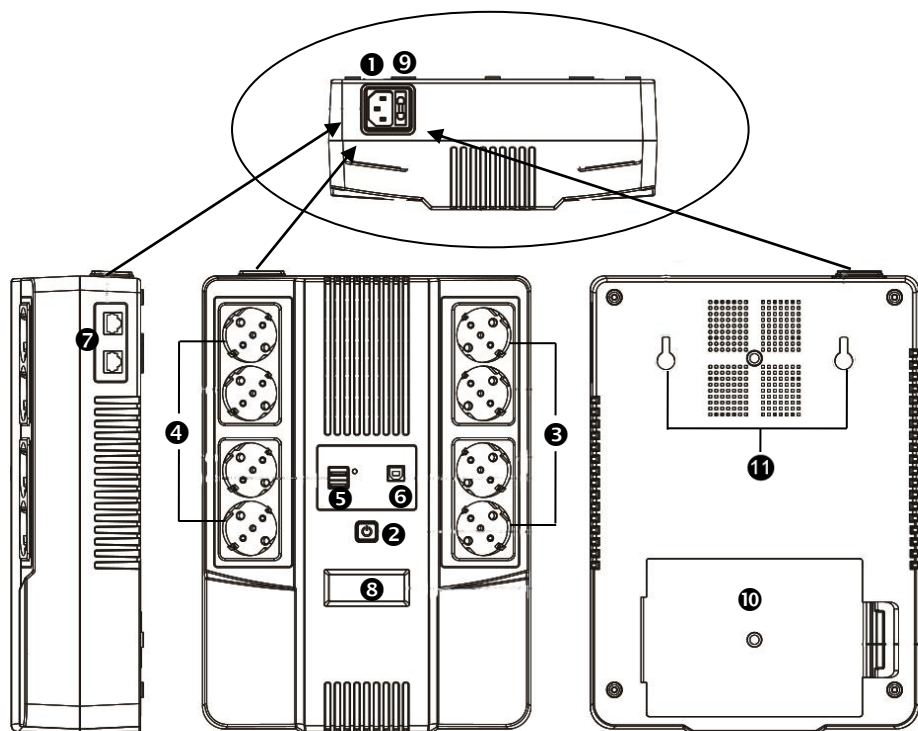
Rear view

- 1 – AC input
- 2 – ON/OFF switch
- 3 – FR/SCHUKO Protected UPS outlets with backup*
- 4 – FR/SCHUKO Surge UPS outlets*
- 5 – USB charger
- 6 – USB port

- 7 – RJ 11/45 connectors
- 8 – LCD screen
- 9 – Fuse
- 10 – Battery compartment
- 11– Wall mounting system

**To use with FR/Schuko CEE /7-7 plugs*

Zen-X 1000 VA



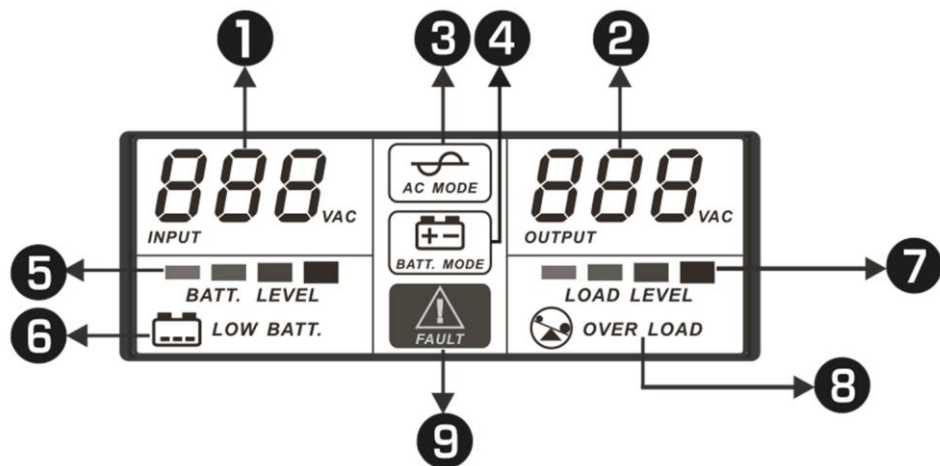
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**To use with FR/Schuko CEE /7-7 plugs*

***Plug in your mobile devices to charge them (tablets, mobile phones, or power banks). The total power is 10W (up to 5V/2A max).*

LCD screen



1. Input voltage
2. Output voltage
3. AC mode (UPS in AVR mode, this LCD symbol flashes)
4. Battery mode (when AC input voltage is abnormal, this LCD symbol lights)
5. Battery level (battery capability)
6. Low battery (when battery voltage is low, this LCD symbol flashes)
7. Load level (load percent)
8. Over load (when there is output over loading, this LCD symbol flashes)
9. Fault mode (this LCD symbol light when UPS in fault mode, such as output shorted, over voltage, overload)

7. INSTALLATION AND OPERATION

1. Checking

When you receive your equipment, open the packaging and check that your UPS has not been damaged. Packaging includes: UPS unit, input power cord, USB cable and a multilingual user guide.

2. Charging the batteries

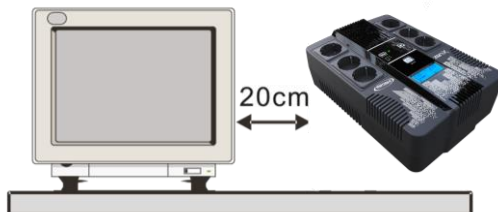
This unit is shipped from the factory with its internal battery fully charged, however, some charge may be lost during shipping and the battery should be recharged prior to use. Plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged-in, with no load, for at least 6 hours.

The UPS will automatically recharge its own batteries whenever the switch is in the "ON" position. You may use the UPS immediately, however the back-up power capacity may be lower than the nominal value required.

3. Placement & storage conditions

The UPS has been designed to operate in a protected environment, at temperatures between 0°C and 40°C and at a humidity level ranging between 0% and 90% (no condensation).

Do not obstruct the ventilation slots. Install the unit in an environment which is free from dust, chemical vapours and conductors. Moreover, in order to avoid any interference, keep the UPS at least 20cm away from the CPU (central processing unit of a PC for example).



4. Connection

Check the identification plate at the back of the UPS to make sure that the power supply is compatible with network voltage and that the device is powerful enough to protect the given load. Plug the power cable of the UPS into a 2-pole + earth outlet. Then, connect computer-related devices to the rear of the UPS.

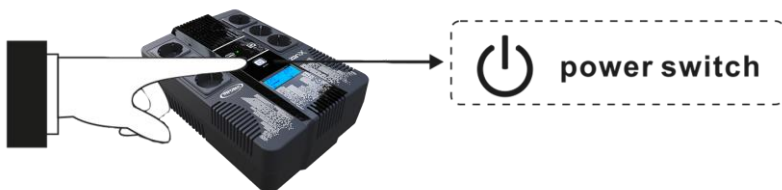
Note: thanks to its three surge backup outlets, Zen-X offers backup time to 3 connected devices. Connect the critical loads on FR/SCHUKO surge backup outlets and less critical loads on the 3 FR/SCHUKO surge-protected outlets (printer...).



5. On/Off

To turn the UPS unit on, lightly press the power switch. To turn it off, press the power switch again. Make sure that the power switch is kept in the "ON" position, otherwise the UPS will be disabled and your equipment unprotected in the event of power failure.

Note: For maintenance purposes, please turn the UPS on before the PC and other loads, and turn it off after the connected loads are turned off.



6. Cold Start feature

Zen-X units are equipped with an integrated DC start function. To start the UPS in the absence of a power supply and with a full battery, simply press the button.

7. Connect Modem/Phone/Network for surge protection

Connect a single modem/phone line to a surge protected "IN" outlet on the side of the UPS unit. Connect the "OUT" outlet to the computer with another phone line cable.

Caution: The telephone line lightning arrester could be rendered inoperable if improperly installed. This surge protection device is for indoor use only. Never install telephone wiring during a lightning storm.

Note: This connection is optional.

8. COMPUTER INTERFACE

To prevent an abrupt computer system shutdown, connect a USB cable to your computer. Then you can install and use the automatic shutdown software Megatex UPSILON 2000 (Free download from www.infosec-ups.com).

The USB communication port at the front of the UPS enables the computer to directly control UPS status.

The main functions are as follows:

- Transmission of a visual alarm in event of power failure
- Automatic file closure prior to the battery going flat
- Computer & UPS shutdown

For download more information, go to the website: www.infosec-ups.com

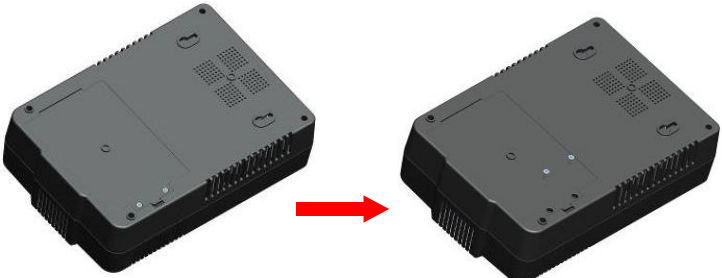
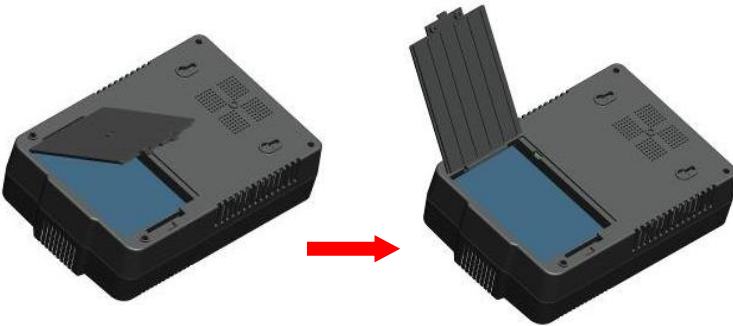
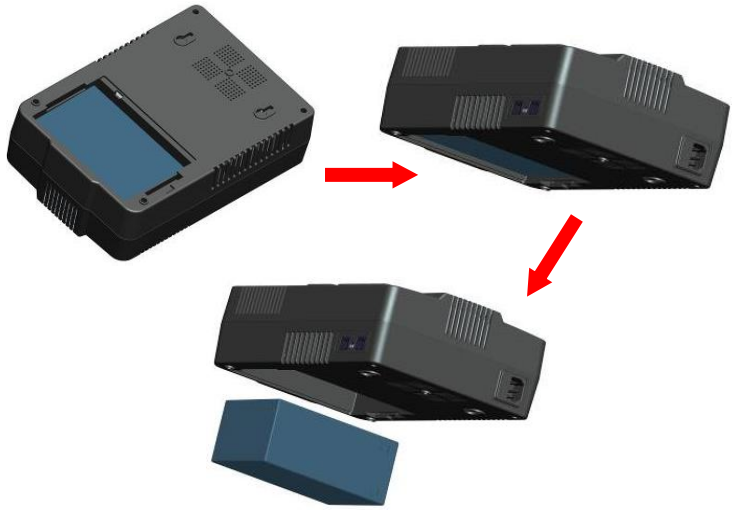
9. BATTERY

The battery is the only UPS component which is not in permanent use. It has a useful life of approximately 3 to 5 years. However, frequent major discharges or exposure to temperatures over 20°C will shorten its life span. We therefore recommend that users recharge the battery once every 3 months when the unit is not in use in order to compensate for natural discharging. UPS backup time will depend on the powered load, as well as the age and condition of the batteries.

WARNING!

Batteries should always be replaced by qualified technicians. Batteries have a very high short circuit current: **connection errors could cause electric arcs resulting in serious burns.**

Battery replacement instructions (for qualified technicians)

1. Remove the screws and remove the battery cover	
2. Rotate the battery cover backward	
3. Flip the hole machine then the battery can fall up	

10. TROUBLE SHOOTING

Should your Zen-X fail to function correctly we recommend you perform the following tests before calling the Hot Line (+33 (0)2 40 76 15 82).

Check list:

- Is the main switch in the "ON" position?
- Is the UPS plugged into the mains power supply?
- Does the power supply fall within specified unit values?
- Has the fuse gone in the mains plug?
- Is the UPS overloaded?
- Is the battery flat or defective?

PROBLEM	POSSIBLE CAUSE	SOLUTIONS
No words display on front panel.	Low battery.	Charge battery for up to 8 hours.
	Faulty battery.	Replace with the same type of battery.
	UPS is not turned on.	Press the power switch again to turn on the UPS.
Alarm continuously sounding when mains is normal.	UPS overload.	Check that the load matches the UPS capability stipulated in the specifications.
In the event of power failure, backup time is shortened.	UPS overload.	Remove some non-critical load.
	Battery voltage too low.	Charge battery up to 8 hours.
	Battery defect due to high temperature operating environment, or improper use of battery.	Replace with the same type of battery.
Mains normal but the unit is on battery mode	Loose power cord.	Connect the power cord properly.

11. TECHNICAL SPECIFICATIONS

	Zen-X 600	Zen-X 800	Zen-X 1000
GENERAL CHARACTERISTICS			
Technology	Line Interactive		
Power	600 VA / 360 W	800 VA / 480 W	1000 VA / 600 W
FR/SCHUKO outlets (surge protected/surge backup)	3/3		4/4
USB charger	5V / 1.0 A max (type A)		5V / 2.0 A max (type A)
Line Tel/ADSL protection	RJ11/45 (1-IN/1-OUT)		
PROTECTION & FILTERING			
Protection	Discharge / overcharge / overload + Tel/ADSL line		
Input protection	Fuse		
PHYSICAL CHARACTERISTICS			
Dimensions D x W x H (mm)	293 x 202 x 93		309 x 202 x 93
Net weight (kg)	4.5	4,9	5,8
INPUT TECHNICAL CHARACTERISTICS			
Voltage	220/230/240 VAC		
Voltage range	162-290 VAC		
Frequency	50/60 Hz ± 10% (auto detection)		
OUTPUT TECHNICAL CHARACTERISTICS			
Voltage	220/230/240 VAC		
Voltage regulation	± 10% (AC mode and battery mode)		
Frequency range	50 Hz or 60 Hz ± 1 Hz		
Output form	Modified sinewave		
BATTERY			
Type and number	12V7Ah x 1	12V9Ah x 1	12V9Ah x 1
Battery Charger	Operates when the UPS is connected to mains		
Cold start (no mains)	Yes		
Recharging time	6-8 hours to 90% after complete discharge		
Backup time (1 PC)	12 min.	15 min.	15 min.
INDICATORS & ALARMS			
LCD screen	AC mode, Battery mode, Fault		
Alarms	battery mode, Low battery, Overload, Fault		
COMMUNICATION			
Communication port	USB (type B)		
Software	Yes (free download on our website)		
ENVIRONMENT			
Ideal environment	0-40°, 0-90% of relative humidity (without condensation)		
Noise level	< 40 dB		
NORMS			
Standard	CE RoHS		
EMC	IEC62040-2 : 2005 ; EN62040-2 : 2006+AC :2006		
LVD	EN62040-1: 2008+A1:2013		
SALES INFORMATIONS			
Warranty	2 years		
Insurance	120 000 €		
PN	66070	66071	61999



Zen-X 600/800/1000 :

Free insurance for the connected equipment up to 120.000 € value.

See conditions and register within 10 days after purchase on the web site: www.infosec-ups.com

Zen-X Wall mounting system layer / Système de fixation murale
Capa de sistema de montaje de pared / طبقة نظام التركيب بالجدار

