

UNIVERGE SV9500

Safety Precautions and Regulatory Notices

Before using this product, please read this document carefully.

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INTRODUCTIONS




This manual explains the safety information and describes how to avoid injuries while working with the products and how to prevent damage to the equipment ([CHAPTER 1 Safety Precautions](#) and [CHAPTER 2 Precautions for Using the Products](#).) Also, this manual explains the regulatory requirements of the system ([CHAPTER 3 Regulatory Notices](#)). Learn the meaning of the following symbols and then read each section carefully before using the equipment.

SYMBOL	DESCRIPTION
WARNING 	Incorrect use of the equipment may cause personal injury or death.
CAUTION 	Incorrect use of the equipment may cause personal injury or a serious system fault.








- Prohibited Actions

	Indicates a general forbidden action.		Indicates that there is possibility to catch fire by external fire.
	Indicates the possibility to hurt you by touching a specific part of the device.		Indicates the possibility to catch fire or electric shock by electric leakage when the device is used in a bathroom or shower room.

- Compulsory Actions

	Instructs general instruction for user.		Instructs the user to disconnect the power plug from the outlet.
	Instructs the user to connect the ground cable always.		

- Attentions

	Draws attention to a case other than the other symbols.		Draws attention to the possibility of catching fire.
	Draws attention to the possibility of explosion.		Draws attention to the possibility of electric shock.
	Draws attention to the possibility of being hot.		Draws attention to the possibility of getting fingers caught in the door etc.
	Draws attention to the possibility of being exposed to a laser beam.		

TERMS OF PRODUCTS

The terms of products for “CHAPTER 1 Safety Precautions” and “CHAPTER 2 Precautions for Using the Products” are as follows:

- main equipment: SV9500
- peripheral equipment: Refer to “2.3. Media Gateways (MG), Media Converters (MC), and Voice Conference Servers (VS) Name” in CHAPTER 2 VARIOUS INFORMATION FOR SV9500 of System Description.
- telephone: Refer to “2.2. Terminals Name” in CHAPTER 2 VARIOUS INFORMATION FOR SV9500 of System Description.

UNIVERGE SV9500

Safety Precautions and Regulatory Notices




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CHAPTER 1 Safety Precautions

1. Precautions for Purchase and Installment




1.1 Warning

















WARNING	
  	<p>Be careful not to get the main equipment and any peripheral equipment wet and ensure that no water enters the inside of them. Otherwise, it may cause a fire, electric shock, or device failure.</p>
   	<p>Do not install the product in a place that is exposed to sunlight directly or for an extended period of time. Also avoid places that are dusty, or near a heat generating device such as a heating appliance. Otherwise, it may cause device failure, electric shock, or a fire.</p>
   	<p>Do not use the main equipment and any peripheral equipment in a place where the humidity is extremely high or water is used. Otherwise, it may cause device failure, electric shock, or a fire.</p>
  	<p>Never use the main equipment in a place where there is flammable gas or ignitable substances. Otherwise, it may cause a fire or explosion.</p>
  	<p>Never use a power source other than the one that was specified at the time of installation. Make sure to use the power supply voltage at the specified value. Otherwise, it may cause a fire, electric shock, or device failure.</p>
  	<p>Never use an AC adapter, a charger, or a charging station that is not designated or come with the product. Otherwise, it may cause a fire, electric shock, or device failure.</p>


















WARNING	
	Be sure to use the power cords that comes with the main equipment and any peripheral equipment. Do not use them for other devices. Otherwise, it may cause a fire, electric shock, or device failure.
	Connect the designated or attached power plug/AC adapter/charger/charging station/ battery pack to a power outlet that is specified in its manual. Otherwise, it may cause a fire, electric shock, or device failure.
	Connect the power plug directly to a dedicated power outlet that satisfies the electric capacity of the main equipment.
	Do not use an extension cord for the power cable, since there may be a risk of overheating and ignition.
	Do not look directly at a laser beam. Otherwise, it may cause loss of vision or blindness.
	Do not overload the circuit. Otherwise, it may cause overheating or a fire.
	Insert the power plug securely into the outlet and make sure that it is not loosened and no dust lies on or around the metal part of the power plug. If dust lies on the power plug, it may result in a fire. If metal and the like touches the blade of the power plug, it may result in a fire or electric shock.

WARNING	
	
 	<p>Do not arrange the modular rosettes and modular cords on the floor. Fix them in a place where they do not get wet with water or detergent. If they get wet with water or other liquid, it may result in a fire.</p>
  	<p>Do not put or drop metallic or flammable materials into the product from an opening. Otherwise, it may cause a fire, electric shock, or device failure.</p>
 	<p>Do not touch the product or plug/unplug the power cord with a wet hand. Otherwise, it may result in electric shock or device failure.</p>
   	<p>Do not damage, destroy, modify, or put a heavy object on the power cords, AC adapter power cable, and/or wiring that runs to each device. Be careful not to get them trodden by or rolled up in a caster in the cases such as moving a chair with casters. The cords can be damaged when they are heated, pulled hard, or a heavy object is placed on them. Damaged cords may cause a fire or electric shock.</p>
  	<p>Never use the AC adapter/charger in a place where humidity is high such as near a bath tub. Otherwise, it may cause electric shock.</p>

1.2 Caution



















CAUTION	
	
	<p>When using the product mounted on a wall, pay attention to a sudden fall. Otherwise, it may cause an injury.</p>
	<p>When installing the product on a wall, securely attach it so that it may not fall by its own weight. Otherwise, it may cause injury.</p>




















CAUTION 	
	When carrying heavy equipment, hold them with one or more persons to prevent hurting your back or dropping it. When carrying the equipment, hold the right places. Otherwise, it may cause an injury or hurting a part of the equipment.
  	Use the designated screws in accordance with the instructions manual/installation manual for the equipment. Otherwise, it may result in a fire, electric shock, or accident.
  	Do not install the equipment in humid or dusty environments. Otherwise, it may result in a fire, electric shock, or device failure.
  	Do not install the equipment in a place that is exposed to oil smoke or steam such as on a cooking table or close to a humidifier. Otherwise, it may result in a fire, electric shock, or device failure.
	Do not install the equipment in a place that is unstable or inclined. Also, do not place an object or ride on the equipment. Otherwise, the equipment may drop or fall, and it may cause injury.
	Do not install the equipment in a place where there is much vibration or there are frequent impacts. Otherwise, the equipment may drop or fall, and it may cause injury.
  	Do not arrange the power cords and/or wiring that runs to each device close to heating appliances. The coating of the cord may be melted, which may cause a fire or electric shock.






CAUTION	
	
  	<p>Do not forcefully bend or pull the power cable. Also, when connecting/disconnecting the AC adapter, do not hold the power cable, be sure to hold the plug. Pulling the power cable may damage the cord, which may cause a fire or electric shock.</p>
 	<p>Be sure to connect a ground terminal to the appropriate terminal to prevent electric shock and for safety. Never connect it to a gas pipe. When disconnecting the ground terminal, be sure to unplug the power plug from the power source in advance. Otherwise, electric shock may occur in the event of electric leakage.</p>
  	<p>Before moving the equipment, make sure that the power plug is disconnected from the outlet and external cables such as line cables have been disconnected as well. Otherwise, the cable may be damaged, which may cause a fire and electric shock.</p>
  	<p>When connecting/disconnecting any peripheral equipment, be sure to turn off the peripheral equipment in advance, and then disconnect the power plug from the outlet. Otherwise, it may cause a device failure, fire and electric shock.</p>
	<p>To prevent physical injury due to moving/falling of the main equipment and any peripheral equipment, earthquake resistance construction is required. If the equipment is installed at a location that is exposed to constant vibration (such as places close to a motor or an automatic door), a contact failure may occur and it could lead to device failure. It is recommended to use anchor bolts for installing the main equipment as a counter measure against earthquake disaster.</p>
 	<p>When mounting/un-mounting a card, do not touch the soldering surface or terminals of the board. Otherwise, it may cause electric shock or injury. Also, be careful not to hurt your finger with the metal parts of the equipment.</p>
 	<p>Parties responsible for equipment requiring AC power should consider including an advisory notice in their customer information suggesting the customer use a surge arrester. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem.</p>

2. Precautions on how to use the products and other precautions







2.1 Warning











WARNING 	
   	<p>When connecting your own device to the main equipment or any peripheral equipment, be sure to consult your dealer or the maintenance company in advance. Never connect your own device without consultation. Otherwise, it may cause a fire, electric shock, or device failure.</p>
 	<p>The AC adapter is an accessory dedicated for the peripheral equipment and battery pack. Do not use it for other product or for other purpose. Otherwise, it may cause device failure.</p>
	<p>When removing a battery or a memory card from the main equipment or any peripheral equipment, keep it out of reach of children to prevent them from swallowing it by accident. If they swallow them, consult a doctor right away. *This applies to Appliance Model.</p>
	<p>Do not open/close the door of the main equipment unless you are a maintenance person. *This applies to Appliance Model.</p>
  	<p>Do not place a container holding water (vase, flowerpot, glass, cosmetics, medicine and the like) or a small metal object on or near the main equipment and peripheral equipment. When water is spilled or the metal object gets inside, it may cause a fire, electric shock, or device failure.</p>
 	<p>Keep any liquids away from the modular cords. If any liquids such as detergent adhere to the modular cords, wipe them off immediately. If any liquids such as detergent run down the modular cord and enter the modular rosette while cleaning a floor or a wall, smoke or a fire may be caused.</p>
	<p>For equipment with a display (LCD), do not damage or destroy it. Should it be damaged, the liquid is leaked, which may harm the user or may cause a device failure of the equipment. If it goes in to mouth, rinse it immediately. If the liquid adheres to your skin or gets in your eyes, wash it off with running water for more than 15 minutes.</p>
  	<p>Do not modify, forcefully bend, twist, or pull the power cords and/or wiring that runs to each device. Also do not place heavy load on the base unit of an AC adapter power cable by winding the cable tightly around the adapter. If you use an AC adapter power cable with heavy load on the base unit, or in damaged condition, the core wire will be exposed or broken, which may cause a fire or electric shock.</p>

WARNING	
  	Do not disassemble, modify, or touch the inside of the main equipment and peripheral equipment. Disassembling or modifying can cause a fire, electric shock, or device failure. Modifying radio apparatus is a violation of Radio Act. We may not accept to repair the disassembled or modified devices.
  	Do not disassemble or modify the battery. Do not remove the vinyl coating. Otherwise, it may cause fire, electric shock, or device failure.
  	Do not make a short-circuit on the charging terminals, service outlet, or connectors with a metal object. Otherwise, it may cause a fire, electric shock, or device failure.
  	Do not spill water or liquid on the charging terminals, service outlet, or connectors, and do not use or charge them with water droplets adhered. Otherwise, it may cause a fire, electric shock, or device failure.
   	Do not leave the lithium battery close to fire or under the blazing sun. The battery may get hot, explode, or catch fire.
  	Do not wet the main equipment and any peripheral equipment. If liquid such as water or the urine of a pet gets in the equipment, it may cause overheating, electric shock, or device failure. Care should be taken as to where and how to use them.

WARNING	
	
 	<p>If there are lightning strikes in the neighborhood, stay away from the equipment and never touch the power cable or the equipment; it can be very dangerous. Wait until the lightning strikes stops to inspect the equipment. If there are any abnormalities, consult your dealer or maintenance company.</p> <p>* It is recommended to consult your dealer or maintenance company if you experience power outages due to lightning strikes or the like.</p>
	<p>We do not assume that this main equipment and any peripheral equipment are used for the purposes which require high reliability, safety, and durability such as aerospace use, communications for public main lines, nuclear power plant control, transportation (trains, vehicles, and so on), and medical use that is related to life-support. Do not use this equipment for these purposes.</p>
	<p>When using the main equipment and any peripheral equipment as an interlocking piece for the device that requires high reliability and safety in its functionality and precision such as devices used for disaster prevention, crime prevention, various notifications, medical use that is not related to life-support, design the whole system, which includes system operations, with redundancy and reliability taking into account failures and malfunction etc.</p> <p>Also, to maintain the reliability and safety of the equipment, perform periodical maintenance and schedule the periodic replacement of parts and consumption articles properly.</p>






2.2 Caution





CAUTION	
	
 	<p>Be careful not to stick your eyes with the antenna of a wireless phone and the like.</p>
	<p>When closing a door, a cover, or a unit, be careful not to get your hand or finger caught. Otherwise, it may cause injury.</p> <p>*This applies to Appliance Model.</p>
	<p>Be careful not to hit a part of your body (head, leg, arm, etc.) against projecting parts. Otherwise, it may cause injury.</p>
	<p>Do not lean against the main equipment and any peripheral equipment. Otherwise, you may fall and be injured.</p>

CAUTION	
   	<p>Do not use/store/leave the equipment in a place where the temperature becomes very high (near fire or a heating device, places exposed to direct sunlight, inside of a car under the blazing sun, etc.).</p> <p>This may cause deformation or failure of the equipment, or leakage, overheat, explosion, ignition, performance degradation and lifetime reduction of the battery pack.</p> <p>Some parts of equipment can be very hot and it may burn the skin when touched.</p>
  	<p>Before inserting batteries into the product, be sure to confirm the polarity indication (direction of positive and negative) of the batteries. If you insert the batteries in the wrong pole, it may cause battery explosion and leakage, which result in a fire, injury, and contamination of the environment.</p>
  	<p>Do not use batteries that are not specified for the device. Also, do not use new and old batteries together.</p> <p>Otherwise, it may cause battery explosion and leakage, which result in a fire, injury, and contamination of the environment.</p>




3. Precautions for maintenance

3.1 Warning

WARNING	
 	<p>For inspection and repair of the inside the equipment, consult your dealer or maintenance company.</p> <p>Doing this by yourself may result in electric shock.</p>
	<p>Never try to repair or relocate the power source by yourself as it is very dangerous. When you need this to be done, consult your dealer or maintenance company.</p> <p>*This applies to Appliance Model.</p>
 	<p>If any dust adheres to the blades or the bases of the blade of the power plug, wipe it off completely. Make sure that the power plug is inserted to the outlet securely. If dust lies on the power plug, it may result in a fire.</p>








WARNING	
	
  	<p>When removing the primary cell and secondary cell from the equipment, be sure to observe the procedure written in the instruction manual/installation manual. Otherwise, it may cause a fire, electric shock, or device failure.</p>















3.2 Caution

CAUTION	
	
 	<p>Not only taking into account the counter measures against fire, flood, earthquake and safety for the operators, the machine room must always be kept clean. When spraying chemicals to prevent mouse invasion or harmful insect outbreak, care should be taken so that it may not affect the equipment.</p>



4. In case of emergency

4.1 Warning

WARNING	
	
  	<p>If the power cords, AC adapter power cable, or wiring that runs to each device are damaged (deformation, exposed core, breaking, etc.), ask your dealer or the maintenance company to repair or replace them. If you keep using the product, it may cause a fire or electric shock.</p>
  	<p>If any liquid such as water gets in the equipment, turn off the power and disconnect the power plug from the outlet first. Then contact your dealer or maintenance company to inform of the incident. If you keep using the equipment, it may cause a fire, electric shock, or device failure.</p>




WARNING 	
  	<p>If a foreign object gets in the equipment, turn off the power and disconnect the power plug from the outlet first. Then inform your dealer or maintenance company of the incident.</p> <p>If you keep using the product, it may cause a fire, electric shock, or device failure.</p>
  	<p>If you keep using the main equipment or peripheral equipment while an abnormal state such as smoke or unusual odor is observed, a fire, electric shock, or device failure may occur.</p> <p>Turn off the power of the equipment immediately and disconnect the power plugs from the outlet.</p> <p>Make sure to confirm that the smoke emission is stopped before requesting your dealer or the maintenance company for servicing.</p> <p>Never attempt to repair the equipment yourself for it is extremely dangerous.</p>
  	<p>If you should drop/fall the main equipment and peripheral equipment, or break the cabinet, turn off the power and disconnect the power plug from the outlet. After that inform your dealer or maintenance company of the incident.</p> <p>If you keep using the equipment, it may cause a fire, electric shock, or device failure.</p>
	<p>If an alarm is generated, do not open the door of the equipment. Inform your dealer or maintenance company of it.</p>
  	<p>If the main equipment and peripheral equipment are not operative because of a blown fuse etc., inform your dealer or maintenance company of it. Do not replace the fuse yourself. Otherwise, fire or electric shock may be caused.</p>

4.2 Caution

CAUTION	
 	<p>In case of fire, use an extinguisher for electric fire (carbon dioxide or halon gas extinguisher). It is recommended to have an automatic fire alarm facility.</p> <p>If smoke or a fire should occur, first turn off the main power of the main equipment and the backup storage battery.</p> <p>Second, extinguish the fire with an extinguisher for electric fire (carbon dioxide or halon gas). When extinguishing the fire, do not inhale the smoke if possible.</p>





5. Prohibited matter during storage

5.1 Caution

CAUTION	
  	<p>When storing the main equipment and any peripheral equipment, be careful not to let any foreign objects such as dust, water or metal enter them. If you use them while the foreign object remains inside, it may cause a fire, electric shock, device failure.</p>







6. Precautions for disposal

6.1 Caution

CAUTION	
   	<p>Do not throw used battery/products having a battery into fire. Otherwise, it may cause explosion, which results in a fire and burn injury.</p>

7. Precautions for battery handling













7.1 Caution










CAUTION 	
	<p>Conventional lead storage batteries, which require the management of the specific gravity of electrolyte and quantity of the liquid, have been replaced with small-sized sealed type lead storage batteries, which are maintenance free for the lifetime. Care should be taken for the following.</p> <p>*This applies to Appliance Model.</p> <ol style="list-style-type: none">1. The electrolyte of the lead storage battery is harmful to body. If the liquid of the lead storage battery adheres to your body, wash it off with abundant water immediately.2. Handle the lead storage battery with extreme care so that a short circuit does not occur to the battery, do not bring it close to fire, do not put it in fire, or do not break (disassemble, drop, give a shock to etc.) the battery.3. A maintenance free lead storage battery also has a determined lifetime, which is affected by the surrounding temperature. The lifetime for a small-sized sealed type lead storage battery is three years. However, when it is installed outside or an environment where the temperature is high, it is shortened to one year. If an expired lead storage battery is kept connecting with the device, backup operation is not available, hereby we cannot guarantee the normal operation of the peripheral equipment at the time of power outage. Besides, this may cause smoke, or fire because of the leakage of the lead storage battery. Be sure to replace the lead storage batteries on a regular basis. Note that lead storage batteries are periodic replacement parts, therefore, replace it at your cost. To ensure regular replacement, we recommend you to sign a regular maintenance contract (with your dealer of maintenance company).
   	<p>Do not charge a lead storage battery alone. The leakage, overheat, explosion of a lead storage battery may cause electric shock, burns, or injury.</p>

CHAPTER 2 Precautions for Using the Products

1. Precautions for Purchase and Installment



1.1 Caution





CAUTION 	
	Use the main equipment and peripheral equipment in an environment where temperature/humidity is within the range of operational conditions. Otherwise, it may cause device failure.
 	Do not use the product in a place where medicinal or chemical substances are used. Otherwise, it may cause device failure or a fire.
	Do not install/use the main equipment and any peripheral equipment in a place close to devices that use electric waves or generate strong magnetic fields, such as radio, TV, or cellular phone. Radio and TV may be disturbed with noises, and the main equipment and any peripheral equipment may not operate normally.
	Since the peripheral equipment uses radio waves, you cannot use them in an area that is very far from the device you want to connect, because the radio signals become too weak. Radio signals can also be affected by strong static electricity. Note that conversation may be interrupted even if the radio signals are strong enough showing full signal and the user is staying in one place not moving.
	When installing the equipment, follow the procedures and use the parts that are specified in the installation manual.
	When installing other device close to the main equipment or any peripheral equipment, be sure to observe the installation and operation standards given by the device. Otherwise, the main equipment or peripheral equipment may experience some malfunctions.
  	Do not install the equipment in a place that is exposed to direct sunlight or high temperature. This makes the internal temperature of the equipment rise, which may result in a fire.
	If you use the main equipment or peripheral equipment in an environment where hydrogen sulfide gas is generated such as in a hot spring area or in a seaside zone abounding with salt, the lifetime of the equipment may be shortened.

CAUTION	
	
  	<p>Do not block the ventilating holes of the main equipment and peripheral equipment. Doing so accumulates heat, which may result in fire.</p>
	<p>Use the designated cables or those that come with the product when connecting the main equipment and any peripheral equipment. When the cables are not designated, choose appropriate ones taking into account the transmission performance and safety. Consult your dealer or sales staff if you have any questions.</p>
	<p>When installing/laying the power cords, be careful to route them in a way so that an installer or a user would not trip over them. Avoid installing the cords in a place where a maintenance person/installer cannot check the state of the cords and the outlet easily. Also, do not install/lay the power cord in such ways that you can easily imagine the safety of the cord will be impaired.</p>
 	<p>Use materials that are susceptible to be electrostatically charged, has high heat insulation effect, and are nonflammable. Since the lifetime of a storage battery is greatly affected by the environmental temperature, an effective ventilation facility (ventilation holes or ventilation fan) that leads to the outside is required in the machine room. Install the equipment at a location separated from a heat source such as a motor or a transformer as much as possible.</p>
	<p>To minimize damages to the main equipment or any peripheral equipment due to thunder disaster (damages by thunder surge caused via power cable or communication lines as well as direct lightning), proper grounding is necessary. Two classes of grounding are needed; grounding less than 10 Ohms and grounding less than 100 Ohms. Since the former is used as the electronic circuit ground for the main equipment, it must be used as an islanded system. For more details on grounding wire, see the installation manual.</p>

2. Precautions on how to use the products and other precautions



2.1 Caution






CAUTION	
	
	<p>Do not bring a magnetic recording medium close to the main equipment and any peripheral equipment. Magnetic data may be erased.</p>

CAUTION	
	<p>We advise you to keep the information that is registered in the main equipment and any peripheral equipment in other medium as well such as taking notes. Should the registered information be lost, we are not responsible for damages arising from the loss.</p>
	<p>We are not responsible for damages arising from inoperability of the telephone because of the failure and malfunction of the main equipment, peripheral equipment, and telephone, battery pack run-out or external factors such as an electric outage.</p>
	<p>User ID and password are important information. Be careful when handling. Default password is given for initial maintenance and operational settings. To enhance the safety, change the default password in the course of the initial settings and periodically thereafter.</p> <p>Even if you conduct periodical password change, preventing unauthorized access is difficult if you use passwords that have low security strength (short password) or can be easily guessed (such as “123456789”, “abcdefg”, “password”, or “Administrator”). Use a complicated and not easily predictable password that has eight or more characters containing alphabet letters (upper case and lower case), numbers, and symbols.</p> <p>If you use your control password without changing from the default settings on a device that can be controlled over a network, there is a risk of allowing an illegal access by a malicious third person. If an illegal access takes place, not only information leakage, but also damage to the system resulting from compromising availability and integrity, or used as a stepping stone for a cyber attack by a botnet may occur. We shall bear absolutely no liability and responsibility for any illegal accesses that occur because the product was used with the default password.</p>
	<p>We are not responsible for a pure financial loss arising from interrupted communication due to failure/mis-operation/malfunction of the main equipment and any peripheral equipment, or external factors such as an electric outage.</p>

3. Precautions for maintenance




3.1 Caution

CAUTION	
	
	<p>When cleaning the equipment, unplug the power cord from the outlet for safety reasons.</p>

CAUTION	
	
	If water droplets adhere to the equipment, wipe them off with a dry cloth.
	When performing maintenance, do not use a detergent or a solvent such as alcohol or benzine.
	Perform periodic replacement of parts of the equipment such as cooling fans, batteries, memory backup batteries, hard disks, fuses, and LCD displays on a specified interval. If these parts are used over the specified period, not only an abrupt failure of the replaceable parts but also the whole system failure or damage will occur. Replace recording paper and printer toner as required according to the consumption status.
	When installing, cabling, repairing, or moving of the main equipment or any peripheral equipment, or connecting or replacing of lead storage batteries are required, ask your dealer. Never attempt to install, cable, repair, or move the main equipment or any peripheral equipment, or connect or replace lead storage batteries by yourself. It is very dangerous.



4. In case of emergency

4.1 Caution

CAUTION	
	
	<p>Be careful of the following when there is direct damage caused by lightning:</p> <ul style="list-style-type: none"> • If communication lines become unavailable due to thunder, stop using the relevant circuit cards and replace them with substitutes. • The circuit cards that are damaged by lightning cannot be repaired. The circuit cards that are struck by lightning fall outside the scope of product quality assurance. • The damage caused by thunder or lightning surge can affect extensive areas of the equipment and may require replacing multiple circuit cards. If you purchase the equipment, it is recommended to have them covered with the property insurance.
	<p>Factors that can damage the equipment other than lightning are:</p> <ul style="list-style-type: none"> • Characteristic degradation such as degraded insulating ability of line cables and MDF/IDF terminal boards. • Applied external abnormal voltage caused by congestion contact between power cables and other communication lines.




5. Prohibited matter during storage

5.1 Caution

CAUTION	
	<p style="text-align: center;"></p> <p>When storing the main equipment and any peripheral equipment for a long period of time, avoid places where the temperature is high or temperature difference is very big. Otherwise, it may hasten the deterioration of the batteries and electric parts, which can lead to device failures. When you use the equipment after storage, request your dealer or maintenance company to service the product.</p>

6. Precautions for disposal

6.1 Caution

CAUTION	
	<p style="text-align: center;"></p> <p>Dispose unnecessary lead storage batteries as industrial waste. How to dispose a battery is regulated by the law for environmental protection. Consult your dealer or maintenance company.</p>
	<p>(This is for North America only.)</p> <p>The main equipment includes the batteries listed below. When disposing of these batteries, Chassis, and/or Blades, you must comply with applicable federal and state regulations regarding proper disposal procedures.</p> <p>IMPORTANT SAFEGUARDS FOR BATTERY DISPOSAL</p> <ul style="list-style-type: none"> • DO NOT PLACE USED BATTERIES IN YOUR REGULAR TRASH! THE PRODUCT YOU PURCHASED CONTAINS LITHIUM, NICKEL-CADMIUM OR SEALED LEAD BATTERIES. LITHIUM, NICKEL-CADMIUM OR SEALED LEAD BATTERIES MUST BE COLLECTED, RECYCLED, OR DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER.

CAUTION



(This is for North America only.)

- The incineration, landfilling or mixing of nickel-cadmium or sealed lead batteries with the municipal solid waste stream is **PROHIBITED BY LAW** in most areas. Contact your local solid waste management officials for other information regarding the environmentally sound collection, recycling, and disposal of the battery.
- Nickel-Cadmium (or sealed lead) batteries must be returned to a federal or state approved nickel-cadmium (or sealed lead) battery recycler. This may be where the batteries were originally sold or a local seller of automotive batteries. Contact your local waste management officials for other information regarding the environmentally sound collection, recycling and disposal of the battery contained in this product. For Ni-Cd batteries, you can also call 1-800-8-BATTERYSM when further information is required.
- The packaging for the main equipment contains the following labels regarding proper disposal.



Ni-Cd

CONTAINS NICKEL-CADMIUM BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. MUST NOT BE DISPOSED OF IN MUNICIPAL WASTE.



Pb

CONTAINS SEALED LEAD BATTERY. BATTERY MUST BE RECYCLED. MUST NOT BE DISPOSED OF IN MUNICIPAL WASTE.





Ni-MH

CONTAINS NICKEL-METAL HYDRIDE BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. MUST NOT BE DISPOSED OF IN MUNICIPAL WASTE.

7. Precautions for lead storage battery handling

7.1 Caution

CAUTION 	
	<p>The main equipment uses lead storage batteries as an emergency backup power source. To guarantee the normal operation of the peripheral equipment and backup operation at the time of power outage, be sure to replace them regularly.</p> <p>*This applies to Appliance Model.</p>

CHAPTER 3 Regulatory Notices

This section describes compliance with regulatory requirements for each country.

1. Common

1.1 Export Administration Regulations (EAR)

This product contains items subject to export regulations of U.S. When the product is exported to other countries, prior approval by U.S. government may be required for certain countries.

1.2 Catch-All Controls

- WARNING NOTICE

This product (and/or technology) can be utilized for development and/or manufacturing of weapons of mass destruction. Therefore, when you transfer (and/or grant a license to use) this product (and/or technology) to any third party, you have to take sufficient and necessary actions so that this product (or technology) shall not be used for development and manufacturing of weapons of mass destruction, which would disrupt world peace and security.

1.3 Copyright

Ensure to confirm that music sources (audio files) for ringtone or MOH that you choose to use do not constitute copyright infringement. NEC will not be held responsible for any damages or troubles caused by this.

2. For North America

2.1 FCC Part 15 (Class A/Class B)

- Class A
(Notice that this warning is only applicable to components of the SV9500 communication platform of which the product type plate indicates “Complies with Part15 of the FCC rules”.)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- Class B
(Notice that this warning is only applicable to components of the SV9500 communication platform of which the product type plate indicates “Complies with Part15 class B of the FCC rules”.)

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 receiver.
- Connect the equipment into 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.

2.1.1 FCC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2.2 CUSTOMER INFORMATION FOR TELEPHONE TERMINAL EQUIPMENT (TTE)

This equipment complies with Part 68 of the FCC Rules and the requirements adopted by the ACTA. On the equipment is a label that contains, among other information, a product identifier in the format: **US:AAAEQ##TXXXX**. If requested, this number must be provided to the telephone company.

The telephone company may make changes in its technical operations and procedures. When such changes affect the compatibility or use of the UNIVERGE SV9500 system, the telephone company is required to give adequate notice of the changes in order for you to maintain uninterrupted service.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is the product identifier in format: **US:AAAEQ##TXXXX**. The digits represented by **##** are the REN without a decimal point (e.g., 03 is a REN of 0.3).

Connection to party line service is subject to state tariffs. Contact the state public utilities commission, public service commission or corporation commission for information.

For single and two-line equipment that connects to the telephone network via a plug and jack, the plug and jack used with this equipment must comply with FCC Part 68 rules.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant.

2.3 TELEPHONE/SERVICE PROVIDER COMPANY NOTIFICATION

Before connecting this telephone system to the telephone network, the following information must be provided to the telephone company:

- Your telephone number.
- FCC registration number:

2.3.1 SV9500 7U-PIR

- FCC Product Identifier: US:NIFMF15BSV9500, US:NIFPF15BSV9500, US:NIFKF15BSV9500
- Ringer Equivalence Number (REN): 1.5B
- USOC jacks required: RJ21X, RJ2EX, RJ2GX

2.3.2 SV9500 8U-PIR

- FCC Product Identifier: US:NIFMF21BSN8153, US:NIFPF21BSN8153, US:NIFKF21BSN8153
- Ringer Equivalence Number (REN): 2.1B
- USOC jacks required: RJ21X, RJ2EX, RJ2GX

2.3.3 UG50

- FCC Product Identifier: US:NIFMF07BSN1750, US:NIFPF07BSN1750, US:NIFKF07BSN1750
- Ringer Equivalence Number (REN): 0.7B
- USOC jacks required: RJ11C, RJ21X, RJ2EX, RJ2FX, RJ2GX, RJ2HX, RJ48C

2.4 HEARING AID COMPATIBILITY

NEC Multiline Terminals and NEC Single Line Telephones that are provided for this system are hearing aid compatible. The manufacturer of other Single Line Telephones for use with the system must provide notice of hearing aid compatibility to comply with FCC rules that now prohibit the use of non-hearing aid compatible telephones.

2.5 INCIDENCE OF HARM

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain interrupted service.

2.6 PRIVATE (LEASED) LINES

For Private (Leased) Line (Analog Data Format) equipment, type JM8 jack is required. Refer to ATIS Technical Report No. 5 for details on this connector. The Facility Interface Code (FIC) associated with each private line application represents the type of service that will be provided by the telephone company. The user instructions must contain a detailed list of private line ports and the associated FICs for which the equipment has been approved. In addition, the Service Order Code (SOC) must also be included for analog systems. The SOC indicates the degree of network protection provided by the equipment,. For Private (Leased) Line (Digital Format) equipment, in addition to the general requirements for all equipment, certain digital connections require that an encoded analog content and billing protection affidavit be provided by the telephone company. Customer instructions must contain information on the preparation and submission of the affidavit. To comply with state tariffs, the telephone company must be given notification prior to connection. In some states, the state public utility commission, public service commission or corporation commission must give prior approval of connection.

2.7 DIRECT INWARD DIALING

Note: ALLOWING THIS EQUIPMENT TO BE OPERATED IN SUCH A MANNER AS TO NOT PROVIDE FOR PROPER ANSWER SUPERVISION IS A VIOLATION OF PART 68 OF THE FCC RULES.

Direct Inward Dialing (DID) must contain the following:

Proper Answer Supervision is when this equipment returns answer supervision to the Public Switched Telephone Network (PSTN) when Direct Inward Dialing (DID) calls are:

- Answered by the called station.
- Answered by the Attendant.

- Routed to a recorded announcement that can be administered by the Customer Premise Equipment (CPE) user.
- Routed to a dial prompt.

This equipment returns answer supervision on all DID calls forwarded to the Public Switched Telephone Network (PSTN). Permissible exceptions are:

- A call is unanswered.
- A busy tone is received.
- A reorder tone is received.

When using voice announcement or monitoring over DID Lines, observe the following.

CAUTION:

Using the Voice Announcement feature to eavesdrop or record sound activities at the other end of the telephone line may be illegal under certain circumstances and laws. Consult a legal advisor before implementing any practice to monitor or record a telephone conversation. Some federal and state laws require a party monitoring or recording a telephone to use a beep-tone(s), notify all parties to the telephone conversation and/or obtain consent of all parties to the telephone conversation. In monitoring or recording sound activities at the other end of the telephone line using the Voice Announcement feature, the sound of the alert tone at the beginning of the Voice Announcement may or may not be considered sufficient under applicable laws. Some of the applicable laws provide for strict penalties for illegal monitoring or recording of telephone conversations.

2.8 Telephone Operator Consumers Act

If equipment such as Private Branch Exchanges (PBX), key systems or customer-owned coin/credit card telephones is sold to a call aggregator, it must be capable of providing users access to interstate providers of operator services through the use of access codes. Modification of this equipment by call aggregators to block access dialing codes is a violation of the Telephone Operator Consumers Act of 1990.

2.9 MUSIC ON HOLD**IMPORTANT NOTICE:**

“In accordance with U.S. Copyright Law, a license may be required from the American Society of Composers, Authors and Publishers, or other similar organization, if radio or TV broadcasts are transmitted through the Music On Hold feature of this telecommunication system. NEC Corporation, hereby disclaims any liability arising out of the failure to obtain such a license.”

2.10 Safety Information for Canada

This equipment has been certified by Canadian Standards Association and found to comply with all applicable requirements:

- CAN/CSA C22.2 No. 0-10 (R2015) – General Requirements – Canadian Electrical Code, Part II

- CAN/CSA-C22.2 No. 60950-1-07, 2nd Ed. – Safety of Information Technology Equipment – Part I: General Requirements
- ANSI/UL Std No. 60950-1-2014, 2nd Ed. – Safety of Information Technology Equipment – Part I: General Requirements

2.11 Industry Canada Requirements

Industry Canada has established rules that permit this telephone system to be directly connected to the telephone network. Prior to the connection or disconnection of this telephone system to or from the telephone network, the telephone company must be provided with the following information.

This product meets the applicable Industry Canada Technical Specifications/Le présent matériel est conforme aux spécifications techniques applicables d'industrie Canada.

1. Your telephone number.
2. IC registration number:
 - SV9500 7U-PIR: IC: 140L-SV9500
 - SV9500 8U-PIR: IC: 140L-SN8153
 - UG50: IC: 140L-SN1750
3. Ringer Equivalence Number (REN) of the equipment:
 - SV9500 7U-PIR: 1.0
 - SV9500 8U-PIR: 2.1
 - UG50: 0.7

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, when present, are connected together. This precaution may be particularly important in rural areas.

CAUTION:

Users should not attempt to make such connections themselves, but should contact the applicable electrical inspection authority or electrician.

- The Ringer Equivalence Number (REN) is an indication of the maximum number of devices allowed to be connected to the telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of RENs of all the devices does not exceed five/L'in-

dice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'exécède pas 5.

- This equipment has been certified by the Canadian Standards Association and found to comply with all applicable requirements of the standard for telephone equipment C 22.2 No. 225.
- This equipment meets IC requirements CS03, PART II, PART III, PART VI.
- This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada/Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe A prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

3. For EMEA

3.1 PREFACE

This manual is valid for the UNIVERGE SV9500 telephone system. Some products described in this manual are not (yet) available for specific countries or markets. For this reason, the related specifications, instructions for installation and use of these specific products are not valid for these markets. Refer to NEC Nederland B.V. for more details in case of any questions about these products.

3.2 WEEE Directive

3.2.1 Product Disposal Information

- For countries in the European Union



The symbol depicted here has been affixed to your product in order to inform you that electrical and electronic products should not be disposed of as municipal waste.

Electrical and electronic products including the cables, plugs and accessories should be disposed of separately in order to allow proper treatment, recovery and recycling. These products should be taken to a designated facility where the best available treatment, recovery and recycling techniques are available. Separate disposal has significant advantages: valuable materials can be re-used and it prevents the dispersion of unwanted substances into the municipal waste stream. This contributes to the protection of human health and the environment.

Please be informed that a fine may be imposed for illegal disposal of electrical and electronic products via the general municipal waste stream.

To facilitate separate disposal and environmentally sound recycling arrangements have been made for local collection and recycling. If you need to dispose of your electrical and electronic products, please refer to your supplier or the contractual agreements that your company made when these products were acquired.

At www.nec-enterprise.com/About-NEC/Environment/WEEE-541 you can find information about separate disposal and environmentally sound recycling.

- For countries outside the European Union

Disposal of electrical and electronic products in countries outside the European Union should be done in line with the local regulations. If no arrangement has been made with your supplier, please contact the local authorities for further information.

3.3 CE Notice (European Union)

The equipment described in this manual is intended to be connected to local area networks (LAN) and supports a wide range of peripheral equipment. Additional interfaces are available for connection to public analogue and digital telecommunication networks which comply with:

- ETS 300 011 (PRI)
- ETS 300 012 (BRI)
- ETS 300 402 (PRI & BRI)
- ETS 300 403 (PRI & BRI)
- TBR3 :ISDN basic rate interface
- TBR4 :ISDN primary rate interface
- TBR21/ES203 021 :Analogue interface

To take advantage of all features of this system and the connected equipment, the country specific or network specific features should match the supported features of the system. For an overview of the supported features, refer to the detailed documentation that comes with this system, contact your local NEC representative or the support desk of NEC Nederland B.V.


3.4 Electromagnetic compatibility

For some of the SV9500 communication platform components the following warning is applicable:

WARNING: *This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.*

3.5 Declaration of Conformity

Hereby, “NEC Corporation”, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/35/EU(LVD), 2014/30/EU(EMCD) and 2011/65/EU(RoHS).

 <http://www.nec-enterprise.com/Support/Declaration-of-Conformity>



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