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User Manual

LCDK1041 Combo KVM Extender

Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions
Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

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.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. 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:

- Re-position 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.

Contents

Before Installation

■ It is very important to mount the equipment in a suitable cabinet or on a stable surface.

■ Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.
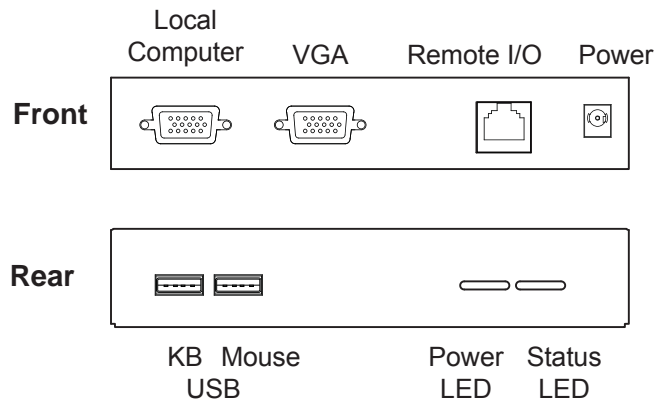
< Part 1 >
< 1.1 > Package Contents

Receiver

LCDK1041 Receiver and Transmitter X 1

- LCDK1041 6ft Combo KVM cable X 1
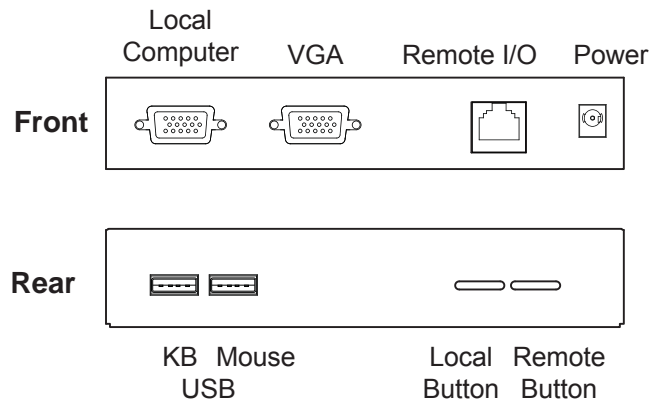- Power adapter w/ power cord (for receiver) X 1

Transmitter

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< 1.2 > Transmitter

	Local Computer	VGA	Remote I/O	Power
Front				

	KB Mouse USB		Power LED	Status LED
Rear				

LED	Status	Description
Power	Solid Red	Power is on (from the local computer or power adapter)
	No Light	There is no Power
Status	Solid Blue	The connection to Receiver is active
	Flashing Blue	Transmitter is sending or receiving data
	No Light	No connection established

Transmitter Specification

Console Port	1 x DB-15 VGA, up to 1600 x 1200 2 x USB connector for KB & mouse
Remote I / O	1 x RJ-45, connect the receiver up to 150 meters via Cat5/6 cable
Local computer	1 x DB-15 combo KVM port
LED	Power (red) & Status (blue)
Power	From attached local computer or optional 12V power adapter
Operation Temperature	0 ~ 50 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0~80%, Non-Condensing
Dimension	157.8 x 70 x 30.6 mm
Weight	370g

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< 1.3 > Receiver

| Front | Local Computer | VGA | Remote I/O | Power |

| Rear | KB Mouse USB | Local Button Remote Button |

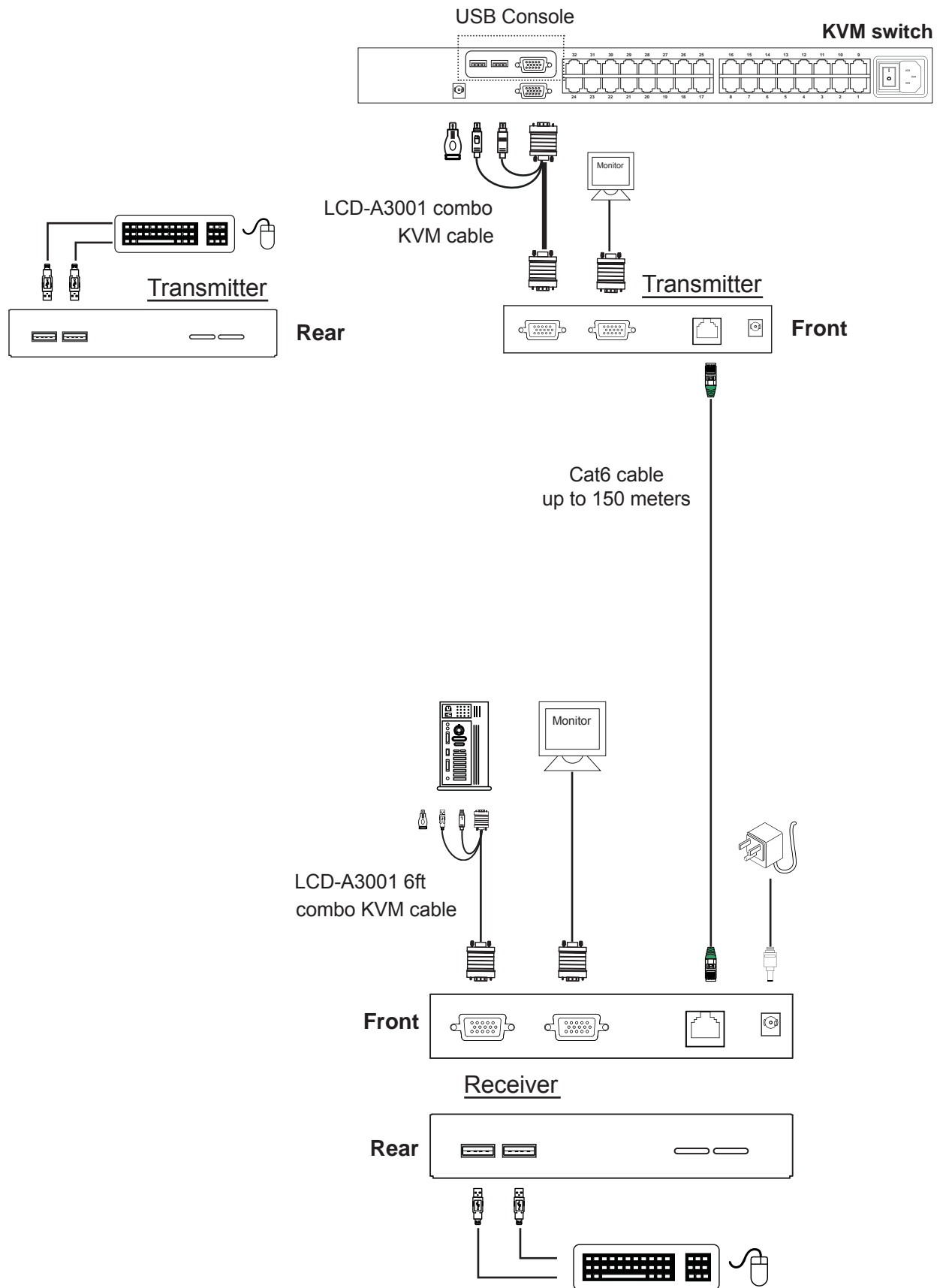| Button	Status	Description
Local	Solid Blue	Local port is pressed & connected to the local PC
	Blinking Blue	Local port is pressed & no PC signal is detected
	No Light	The local port is not selected or the power is off
Remote	Solid Blue	Remote port is pressed & connected to the Transmitter
	Rapid Flashing Blue	Remote port is pressed & auto-adjusting the signal
	Moderate Flashing Blue	Remote port is pressed & no connection established
	No Light	Remote port is not selected or the power is off

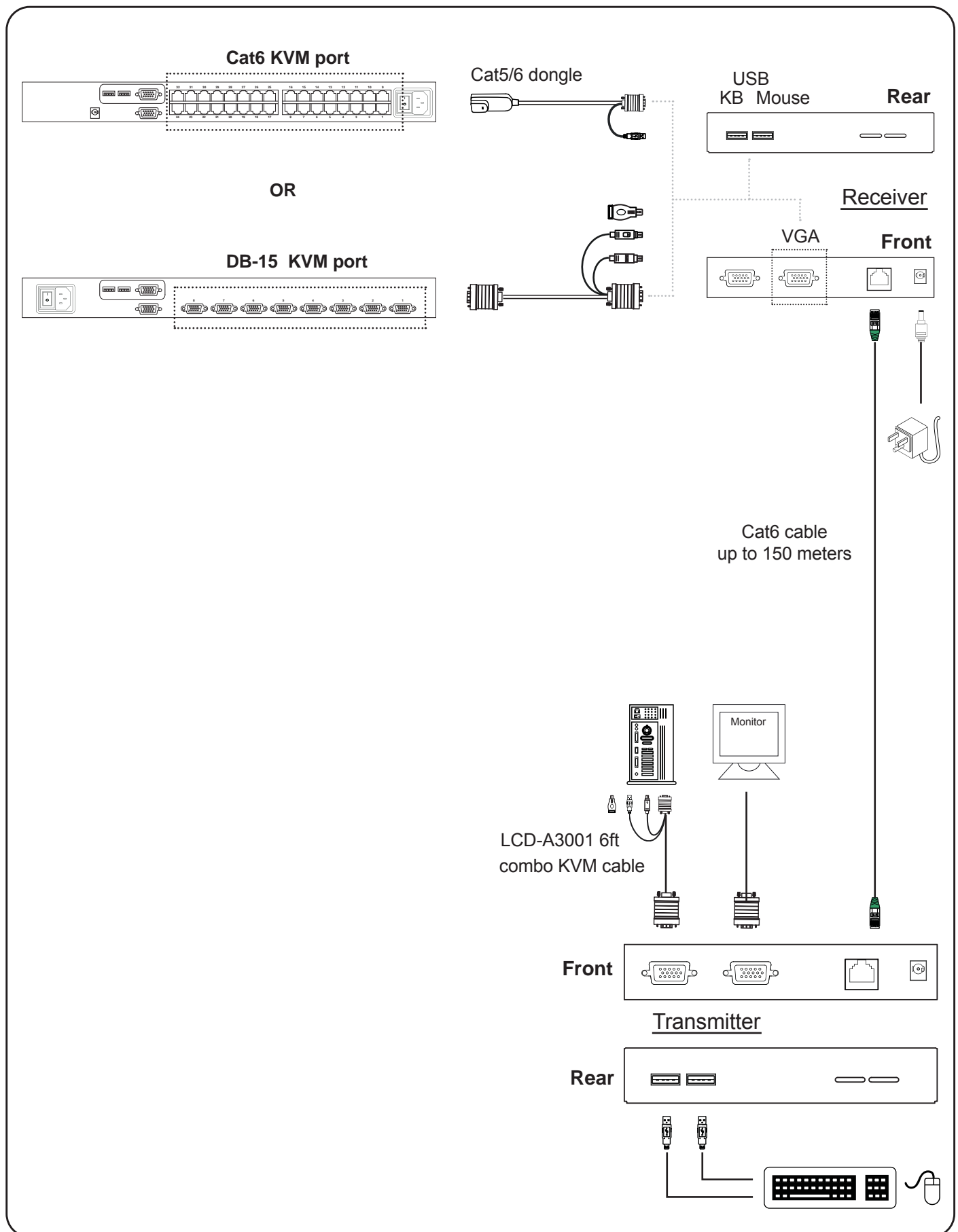### Receiver Specification

Console Port	1 x DB-15 VGA, up to 1600 x 1200 2 x USB connector for KB & mouse
Remote I / O	1 x RJ-45, connect the receiver up to 150 meters via Cat5/6 cable
Local computer	1 x DB-15 combo KVM port
Button	Local & Remote (blue)
Power	12V power adapter
Operation Temperature	0 ~ 50 °C
Storage Temperature	-20 ~ 60 °C
Humidity	0~80%, Non-Condensing
Dimension	157.8 x 70 x 30.6 mm
Weight	370g

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< Part 2 > Application

< 2.1 > Extending the KVM console port to 150 meters

USB Console

KVM switch

LCD-A3001 combo
KVM cable

Monitor

Transmitter

Transmitter

Keyboard

Rear

Front

Cat6 cable
up to 150 meters

Monitor

LCD-A3001 6ft
combo KVM cable

Front

Receiver

Rear

< 2.2 > Extending the computer to KVM port to 150 meters

Cat6 KVM port

Cat5/6 dongle

USB
KB Mouse **Rear**

OR

Receiver

DB-15 KVM port

VGA **Front**

Cat6 cable
up to 150 meters

Monitor

LCD-A3001 6ft
combo KVM cable

Front

Transmitter

Rear

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< 2.3 > Extending the computer up to 150 meters

LCD-A3001 6ft
combo KVM cable

Monitor

Front

Transmitter

Rear

Cat6 cable
up to 150m

LCD-A3001 6ft
combo KVM cable

Monitor

Receiver

Front

Rear

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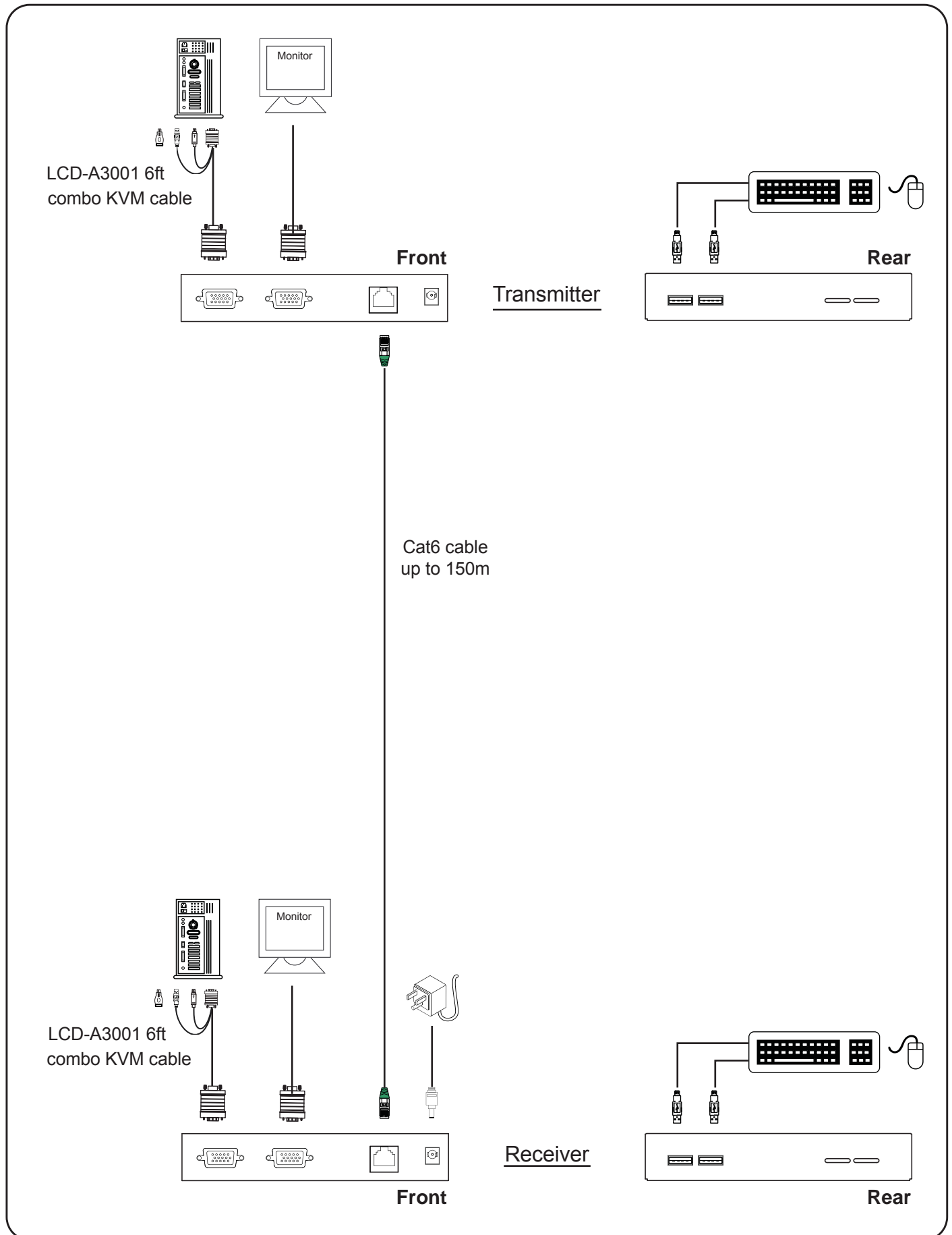
< Part 3 > Keyboard Hotkey Command

You can switch the Receiver from "Local Host" port to "RJ-45" port and vice-versa through simple key sequences made by the remote console side. To send commands to the Receiver, you must press the hotkey (default is Scroll Lock) twice within 2 seconds. You will hear a beep sound confirming you are in the hotkey mode. If you do not press any key during hotkey mode over 2 seconds the hotkey mode will be terminated and back to normal state.

The default hotkey is Scroll Lock but you can change hotkey as your application convenience. If you prefer to use other hotkey, please go to OSD menu and change the default hotkey to the other.

Example:

| Scroll Lock | + | Scroll Lock | + | C | = | **Switch between PC port and RJ-45 port of the Receiver** |
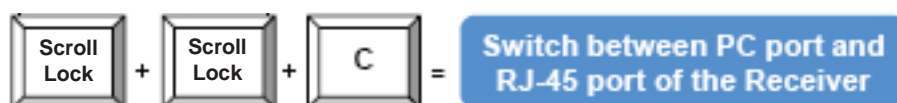
The table blow lists all the supported hotkey commands.

Command	Function
C	To switch between Local and Remote ports
Q	To turn the beep sound on or off
S	To activate the Auto-Scan function. Auto-scan Remote and Local port every 8 seconds repeatedly.
A	For auto-adjust video signal of remote port to optimum

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