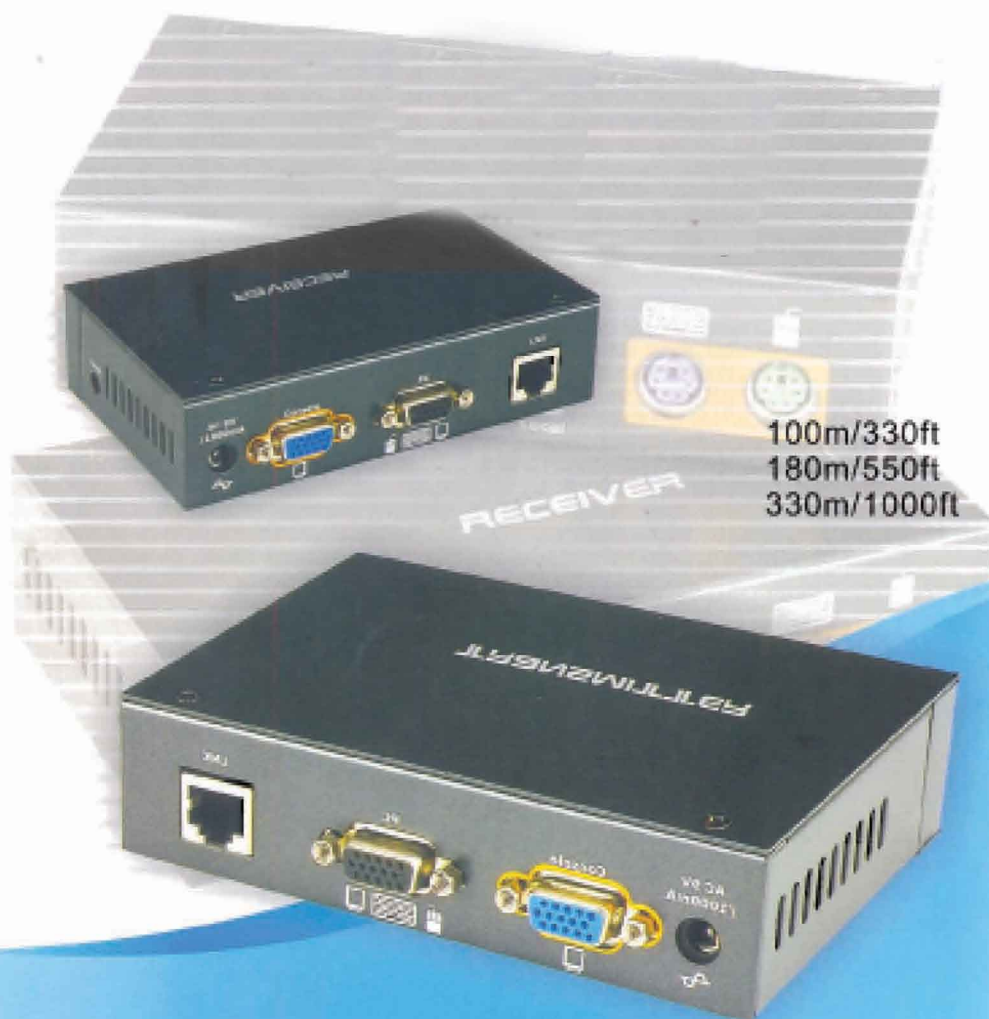


# KVM EXTENDER

## Receiver & Transmitter

User's Manual



# Product Features

1. Provide best resolution: with a screwdriver to adjust the image on the right side where there's a cavity shown Focus on the Receiver set.
2. Easily Plug & play operation - no tools required, just plug the cable.
3. VGA, SVGA, & Multi-sync monitor support.
4. Suitable for standard PS/2 computer, or USB computer via USB adapter (PS121)
5. Dual console operation - control your system from either the local or remote console
6. Connect the transmitter and remote site via category 5e cable, length up to 100m/180m/330m.
7. VGA resolution 1000 ft (50MHz), 500 ft(125MHz).
8. Support monitor DDC\* function.
9. Receiver's console can manage Receiver 's computer or Transmitter's.
10. Hot Key function available.
11. Each PC port can cascade other KVM switches.

**Note:** DDC\* => Display Data Channel.

# Installation

## Transmitter Unit:

1. Connect Monitor to Console port for getting DDC
2. Plug in AC 9V/4W to power jack.
3. Connect Cat.5 wire to link port (please see RJ-45 connector pin assignments)
4. Connect computer to PC port (use the inbuilt KVM-15pin cable, CBM150T)
5. After receiver unit links well, the Red/Green LED of front panel turns on.(if not, please push select button to link or check receiver unit connection)

**Note:** If possible please use Cat.5e, it will be much better for video quality.

## Receiver Unit:

1. Connect Keyboard, Mouse, Monitor to Console port.
2. Plug AC 9V/4W to power jack.
3. Connect Cat.5 wire to link port (please see RJ-45 connector pin assignments)
4. Front panel Link Port Red/Green LED turn on.  
( if not, please push select button switch to link port)

**Note:** After T-unit and R-unit links well, then power on the PC, and tune the knob of receiver unit into the best video resolution.

# Packing

- 1.KVM Extender TransmitterUnit x 1
- 2.KVM Extender Receiver Unit x 1
- 3.Power adaptor AC 9V/4W x 2
- 4.User Manual x 1
- 5.KVM cable (CBM) x 2
- 6.Foot Pad x 2

# KVM Function:

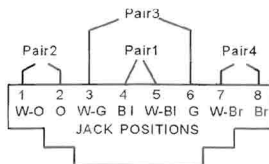
Transmitter unit Console port can control its own PC port only.  
(push Select button to switch Link port or PC port)

Receiver unit Console port can control its own PC and Receiver unit PC port. ( through CAT-5 cable )

(push Select button to switch R-unit Link port or PC port. and Master button can remotely control T-unit Link port/PC port switching )

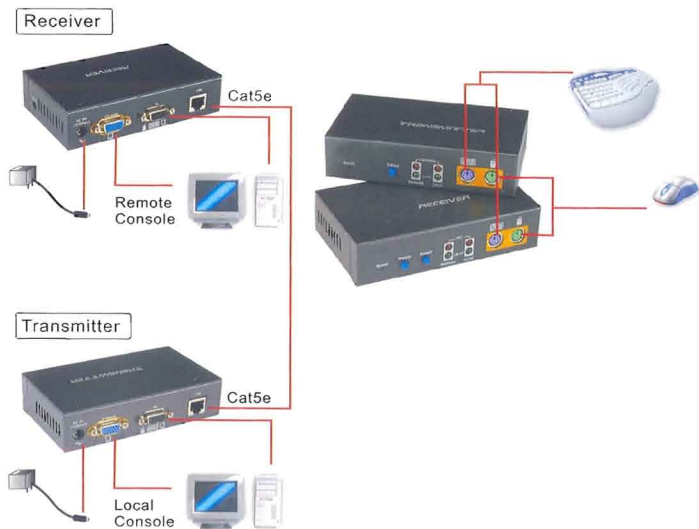
## WIRING CONNECTION (T568B/AT&T 258A)

Pin 1,2:VideoB OUT, Pin 3,6:VideoG OUT,  
Pin 4,5:VideoR OUT, Pin7,8:Control line



# Connecting Diagram

## ***KVM EXTENDER***



# Hot Key Function

## Receiver (Remote) Unit:

While powering on the receiver unit, please remember to enable hot key function by pressing "Master" and "Select" in the front panel of receiver unit about 2 seconds simultaneously. (Toggle Function)

Basically, the hotkey functions start with left <Shift> (Shift-L) and right <Shift> (Shift-R) keystrokes followed by one more keystrokes. After successfully enabling hot key mode, you will see the LED of <scroll lock> will flash twice in one second.

## Receiver (Remote) Unit:

Command	Descriptions
Shift-L+Shift-R+<Enter>	PC select
Shift-L+Shift-R+<M>	Local console switch
Shift-L+Shift-R+<B>	Sound on/off

## Transmitter (Local) Unit:

Command	Descriptions
Shift-L+Shift-R+<Enter>	Console select
Shift-L+Shift-R+<B>	Sound on/off
Shift-L+Shift-R+<L>	Disable remote unit's hotkey function mode, Shift-L+Shift-R+<M>, and only operate by Local unit. It's a toggle command. Pressing it again will disable this command.

# Technical Specifications

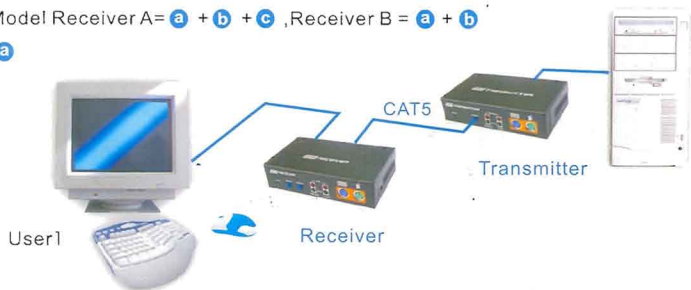
Model	Transmitter	Receiver A	Receiver B
<b>Connector</b>			
Unit to Unit	RJ-45		RJ-45
VGA-In	DB15P Male x1 Black		DB15P Male x1 Black
VGA-Out	DB15P Male x1 Blue		DB15P Male x1 Blue
Keyboard	PS/2		PS/2
Mouse	PS/2		PS/2
LEDs	PC x 1 Link x 1 Console Select x 2	PC x 1 Link x 1 PC Select x 2	Power x 1 Link x 1
VGA Resolution	125MHz at 500ft / 50MHz at 1000ft		125MHz at 500ft / 50MHz at 1000ft
Cable Type	CAT 5		CAT 5
Power	AC 9V/4W		AC 9V/4W
Signal Type	VGA, SVGA, XGA, & Multi-sync Monitor Support		VGA, SVGA, XGA, & Multi-sync Monitor Support
Housing	Metal		Metal
Dimension (mm)	L132* W79* H32		L132* W79* H32

**Note:** Don't let the units be near to any heat source, for fear of weakening the function of heat dissipation.

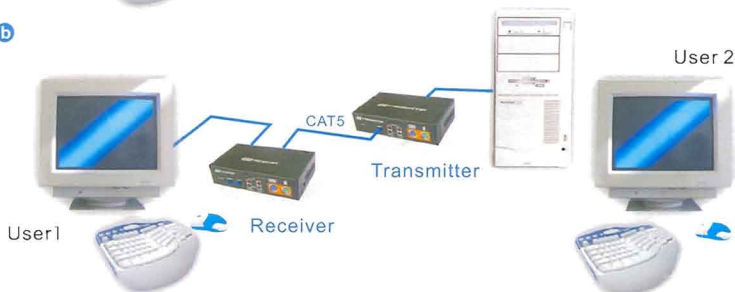
# Application

Model Receiver A = **a** + **b** + **c** , Receiver B = **a** + **b**

**a**



**b**



**c**



## Product Features

1. Provide best resolution; with a screwdriver to adjust the image on the right side where there's a cavity shown Focus on the Receiver set.
2. Easily Plug & play operation - no tools required, & just plug in the cables
3. VGA, SVGA, & Multi-sync monitor support
4. Suitable for standard PS/2 computers, or USB computer via a USB adapter.
5. Dual console operation - control your system from either the local or remote console
6. Connect the transmitter and remote site via category 5e cable, length up to 180m/330m.
7. VGA resolution – 1000 ft (50MHz), 500 ft(125MHz).
8. Supports monitor DDC function.
9. Receiver's console can manage computers of the Receiver or Transmitter.
10. Hot Key function available.
11. Each PC port can connect to other KVM switches.

## Installation

### ***707T Transmitter***

1. Connect Monitor to Console port for DDC.
2. Plug in AC 9V/1000mA to power jack
3. Connect Cat.5 wire to link port (please see RJ-45 connector pin assignments)
4. Connect computer to PC port (use KVM-15pin cable inbuilt)
5. After receiver unit linking OK, the Red/Green LED of front panel turns on.  
(if not, please push **select** button to link or check receiver unit connection)

Note: If possible please use Cat.5e or Cat.6, it will be much better for video quality

### ***707R Receiver***

1. Connect Keyboard, Mouse, Monitor to Console port
2. Plug AC 9V/1000mA to power jack
3. Connect Cat.5 wire to link port (please see RJ-45 connector pin assignments)
4. Front panel Link Port Red/Green LED turn on  
( if not, please push **select** button switch to link port)

Note: After 707T & 707R linking O.K, then power on the PC, and tune the knob of receiver unit into the best video resolution.

## Packing

1. KVM Extender 707T Transmitter unit x 1
2. KVM Extender 707R Receiver Unit x 1
3. Power adaptor – 9V/AC, 1000 mA x1
4. User Manual x 1
5. KVM cable (EZ-CBM180) x 2
6. Foot Pad x 2 sets

## KVM Function:

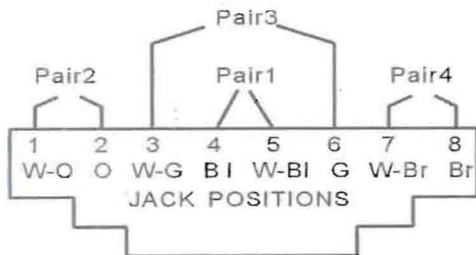
707R (Receiver) Console port can control both 707R PC port and 707T PC port ( through CAT-5 cable ) .

**707T Console port** can control 707T PC port only.  
(push **Select** button to switch Link port or PC port)

**707R Console port** can control 707T and 707R PC port.  
(push **Select** button to switch 707R Link port or PC port.  
and **Master** button can remotely control 707T Link port/PC port switching )

### WIRING CONNECTION (T568B/AT&T 258A)

Pin 1,2:VideoB OUT, Pin 3,6:VideoG OUT,  
Pin 4,5:VideoR OUT, Pin7,8:Control line



# **KVM Extender**

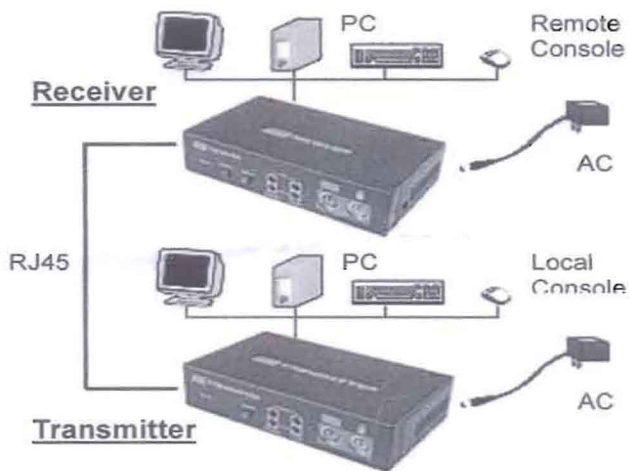
**707-180**

**707-330**

**R/T**

## **User's Menu**

## Connecting Diagram:



## Hot Key Function:

### Receiver (Remote) Unit:

While powering on the receiver unit, please remember to enable hot key function by pressing "**Master**" and "**Select**" in the front panel of receiver unit about 2 seconds simultaneously. (Toggle Function)

Basically, the hotkey functions starts with left <Shift> (Shift-L) and right <Shift> (Shift-R) keystrokes followed by one more keystrokes. After successfully enabling hot key mode, while you press Shift-L and Shift-R you will see the LED of <scroll lock> will flash twice in one second.

### Receiver (Remote) Unit:

Command	Descriptions
Shift-L+Shift-R+<Enter>	PC select
Shift-L+Shift-R+<M>	Local console switch
Shift-L+Shift-R+<B>	Sound on/off

### Transmitter (Local) Unit:

Command	Descriptions
Shift-L+Shift-R+<Enter>	Console select
Shift-L+Shift-R+<B>	Sound on/off
Shift-L+Shift-R+<L>	Disable remote unit's hotkey function mode, and only operate by Local unit. It's a toggle command. Pressing it again will disable this command.

## Technical Specifications:

Model	707T	707R
Connector	RJ-45	RJ-45
Unit to Unit		
VGA-In	DB15P Male x1 Black	DB15P Male x1Black
VGA-Out	DB15P Male x1 Blue	DB15P Male x1 Blue
Keyboard	PS/2	PS/2
Mouse	PS/2	PS/2
LEDs	PC x 1 Link x 1 Console Select x 1	PC x 1 Link x 1 PC Select x 1
VGA Resolution	125MHz at 500ft / 50MHz at 1000ft	125MHz at 500ft / 50MHz at 1000ft
Cable Type	CAT 5	CAT 5
Power	AC 9V/ 1000mA	AC 9V/ 1000mA
Signal Type	VGA, SVGA, XGA, & Multi-sync Monitor Support	VGA, SVGA, XGA, & Multi-sync Monitor Support
Housing	Metal	Metal
Dimension (mm)	L132* W79* H32	L132* W79* H32