Scart RGB/Composite to XGA Converter

Operation Manual

Introduction

Thank you for purchasing CM-345S. The product you have purchased has
been carefully engineered and manufactured to bring you dependable
operation. Read this manual before operating this unit to get familiar
with its features and obtain the performance that will bring you a lot of
enjoyment for many years. Please retain this manual for future reference.

Precautions

When use this product, basic safety precautions should always be followed
to reduce the risk of fire and electric shock, including the following:
Read and understand all instructions marked on this product.
To prevent fire or shock hazard, do not expose this product to rain moisture.
Do not use near a bath tub, wash bowl, sink, or laundry; do not use in a wet
environmet or nearby a swimming pool.
To avoid electrical shock, do not open the case of the product.
Operate this product using only the power supply included with it or provided
as an accessory. If you are not sure of the type of power supplied to your home,
consult your dealer or local power company.
Do not overload electrical outlets or extension cords as this can result in fire or
electric shock.
The unit should be situated away from heat sources such as radiators, fireplace, etc.

Features:

* High quality video scaler.
* Supports SCART RGB/Composite input.
* Supports PC output resolution up to XGA(1024 x 768).
* 50/60 Hz frame rate conversion ensures glitch-free
  display of PAL source on any monitors.
* 3D motion adaptive de-interlacing ensures jaggy-free picture.
* Adaptive non-linear noise reduction.
* Adaptive scan rate conversion.
* Luminance/Color Transient improvement.
* OSD Controls: Brightness, Contrast, Tint, Color and Sharpness adjustment.

Package Contents:

* CM-345S.
* 15pin D-Sub to 15-pin D-Sub cable X 1.
* 2-RCA jack to 3.5mm phonejack audio cable.
* Remote control.
* Power Adaptor: 12V 800mA center-positive.
* Instruction manual.

Operation Control and Functions
Top Panel
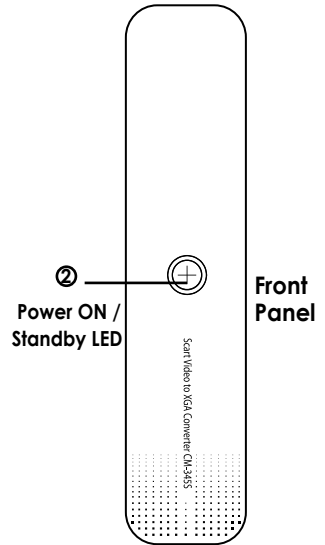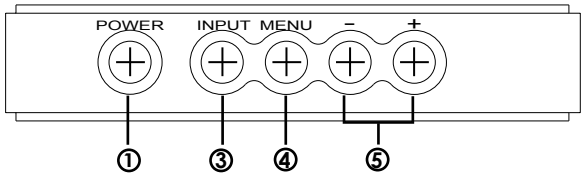
① **Power button:**

The unit enters into standby status when 12 V DC power is fed into the power jack on the back panel . Press the power button to turn on the unit (LED illuminates in green color); press again to return to standby mode (LED illuminates in red).

② **Power ON / Standby indicator:**

When power button is pressed, the unit is turned on, and the LED illuminates in green color. The unit is then ready for operation. When the unit is under standby mode, all control buttons will not function, Only the PC input is looping through to the VGA output.

③ **Input Selection :**

Press the button to select between SCART input and PC-loop throught. When scart input is selected CM-345S will oatumatically detect the SCART input as a RGB signal or composite video signal.
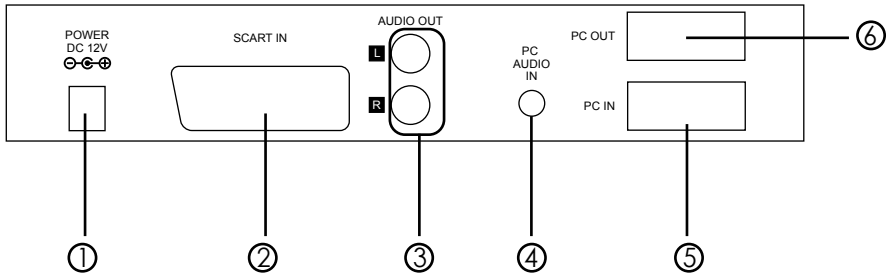
④ **MENU / ENTER :**

Press the button to enter into OSD menu or to confirm your selection of the highlighted parameter.

⑤ **+ / - :**

When in OSD mode. Press the button to move up or down the hightlight bar to your desired parameter. Or after a parameter been selected by MENU/Enter button, press the button to alter the value of your selected parameter.

Rear Panel

1. Power socket: 12V 800mA DC input.
2. Scart RGB or composite video input connector. ✱
3. Audio out: Stereo audio L/R output.
4. PC audio in: 3.5mm PC audio input.
5. PC in: 15-pin D-Sub PC VGA input.
6. PC out: 15-pin D-Sub PC VGA output.

✱ Scart pin configuration
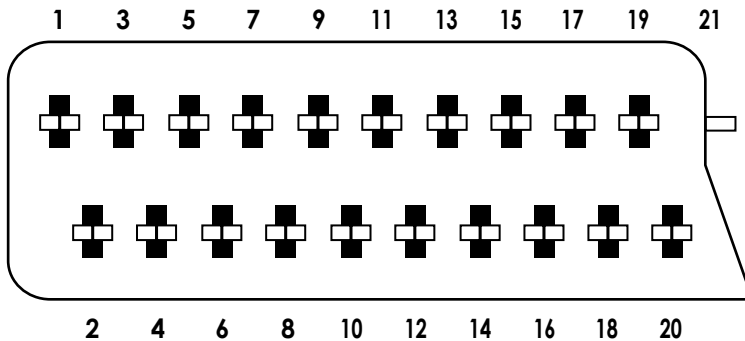
|		
1. Audio O/P 1, Right Channel	8. Switch Signal Video (No use)	15. RGB I/P, Red (B)
2. Audio I/P 1, Right Channel	9. GND (Green)	16. Switch Signal RGB (Blanking)
3. Audio O/P 2, Left Channel	10. Not Connected	17. GND (Video)
4. GND (Audio)	11. RGB I/P, Green (G)	18. GND (Blanking)
5. GND (Blue)	12. Not Connected	19. Video O/P
6. Audio I/P 2, Left Channel	13. GND (Red)	20. Video I/P
7. RGB I/P, Blue(B)	14. Not Connected	21. Shield

Installation

Power up the unit:

1. Plug the power jack into the power socket on the back of the unit, the power LED will illuminate in red color(Standby mode).
2. Press the power button, power LED will turn into green light.(operation mode)
3. Press the power button again will return to standby mode.
4. When the unit first powered up the default input to the unit is Scart . When you changed input source and later power down the unit the last input source you selected will be memorized by the unit. When you re-power the unit the memorized input will be recalled as input source.

OSD operation:
After power on the unit. Press the Menu button will bring up the main menu page to your screen as bellow:

Use ✛ buttons on the remote or ▲▼ button on top panel
to move hightlighted bar to your desired parameter.
press MENU / ENTER to enter into sub-menu, and use + - ,
to move to your desired selection. When a parameter is
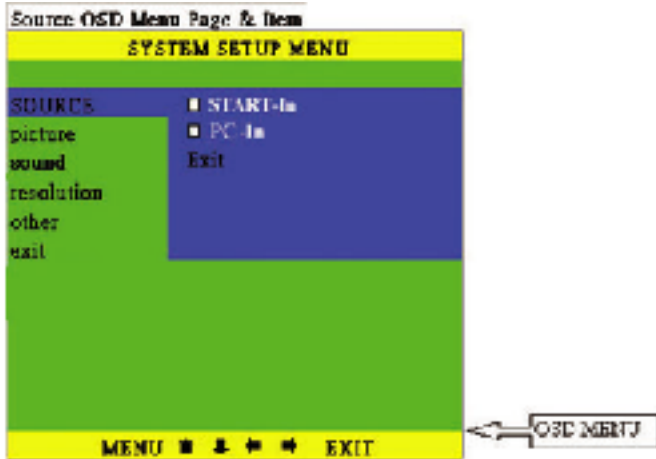selected, its color will be inverted.
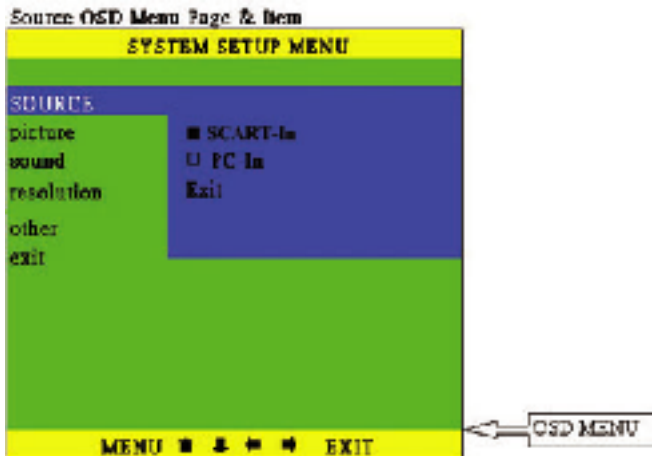
Use +, - to move up or down the high-light bar to your desired parameter.
Press MENU/ENTER to confirm your selection.

To adjust the setting value of your selected parameter, press " + " to increase the value. Press " - " to decrease the value.

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Installation
On the source Sub-menu, you can choose input between scart, and PC pass through.

Source OSD Menu Page & Item

SYSTEM SETUP MENU	
SOURCE	■ START-in
picture	□ PC-In
sound	Exit
resolution	
other	
exit	

MENU ■ ■ ← → EXIT ⟵— OSD MENU

On the picture Sub-menu, you can adjust setting value of the follwing parameters. Use channel up or down to select your desired adjustment parameter.

Brightness: Use volume +/- to increase or decrease brightness level.

Contrast: Use volume +/- to increase or decrease contrast level.
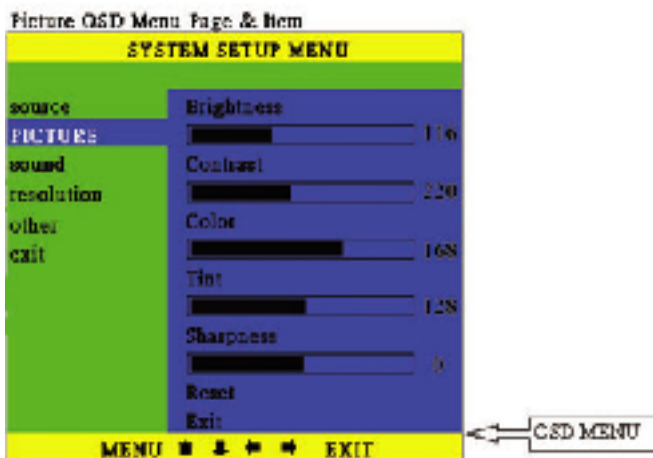
Color: Use volume +/- to increase or decrease color saturation level.

Tint(NTSC only): Use volume +/- to increase or decrease Tint level.

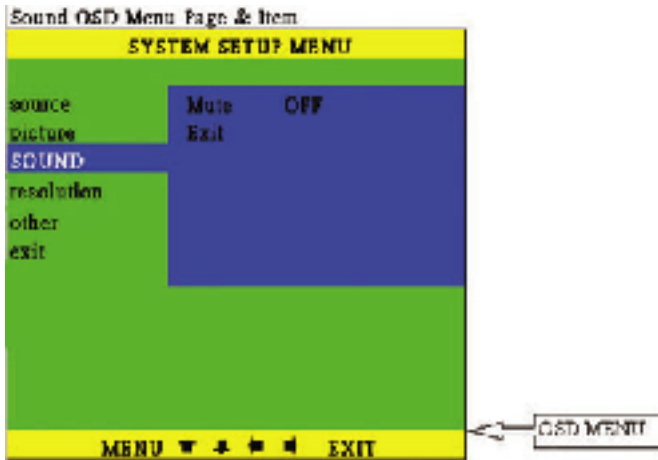**Sharpness:** Use volume +/- to increase or decrease the sharpness level.

Reset: To recall the preset default value.

Exit: Return to previous Menu page.

Picture OSD Menu Page & Item

SYSTEM SETUP MENU		
source	Brightness	
PICTURE	▬▬▬▬	116
sound	Contrast	
resolution	▬▬▬▬▬	220
other	Color	
exit	▬▬▬▬▬▬	168
	Tint	
	▬▬▬▬▬	128
	Sharpness	
	▬▬▬▬	0
	Reset	
	Exit	

MENU ■ ■ ← → EXIT ⟵— OSD MENU

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Installation

On the sound Sub-menu, you can select to "mute" audio out.

Sound OSD Menu Page & Item

In Resolution Sub-menu, you can select output resolution from: 640 X 480, 800 X600, or 1024 X 768.
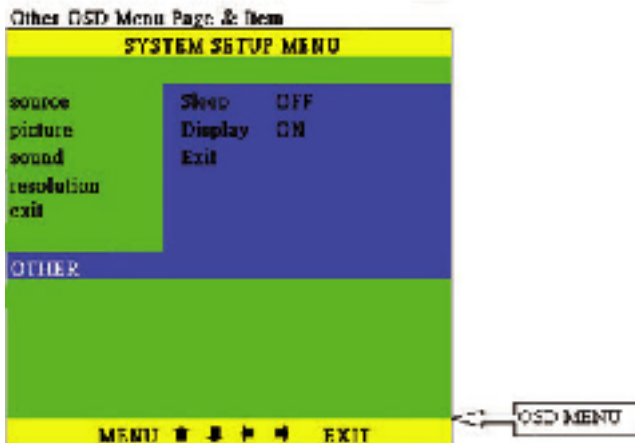

Resolution OSD Menu Page & Item
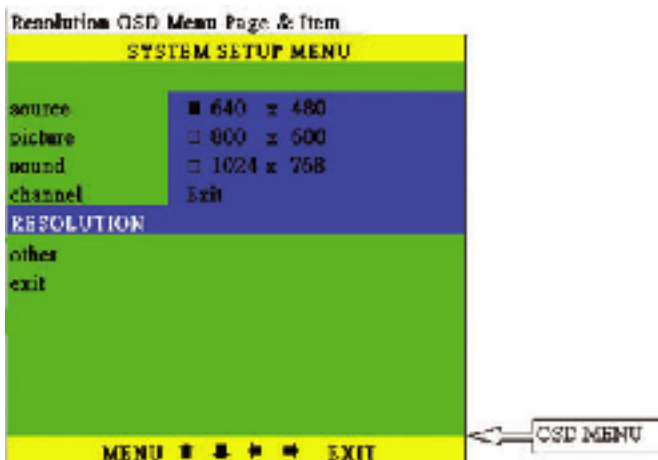
Installation

On "OTHER" Sub-menu, there are two panameters for adjustment,
Sleep: Set a pre-determined time for machine to automatically
turn off when timing is up.
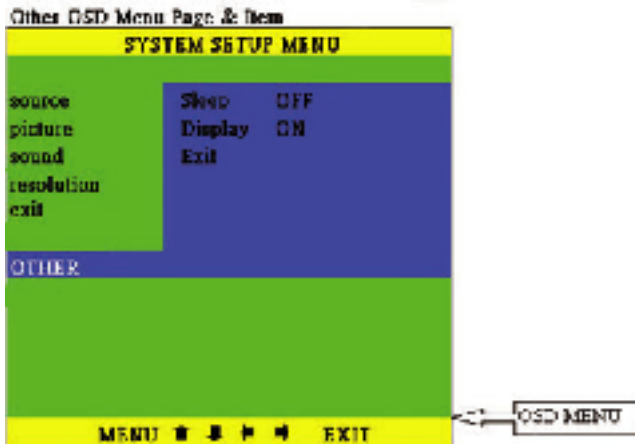
**Display:** Set " ON " to display the input/output information on the screen.

Function		Selection	
Sleep	OFF	10, 20......120 minutes	
Display	ON	OFF	

Remote Control Panel

① **INPUT :** Press the button repeatedly to select desired input source from SCART、PC.

② **DISPLAY :** Press the button to turn on or off "OSD" display of input source on the screen.

③ **POWER :** Power ON/OFF button.

④ **MUTE :** Press the button to mute the audio.

⑤ **SLEEP :** Press the button to set a predetermined time (10→120 minutes) for automatically turning off the machine.

⑥ **RESOLUTION :** Select between 640X480 VGA, 800X600 SVGA, and 1024X768 XGA.

⑦ **MENU :** Press the button to enter into OSD menu.

⑧ **EXIT :** To exit OSD.

⑨ **ENTER :** Press the button to confirm your selection of the desired parameter.

⑩ ✛ **MENU :** Up, Down, Left, and Right buttons for OSD adjustment.
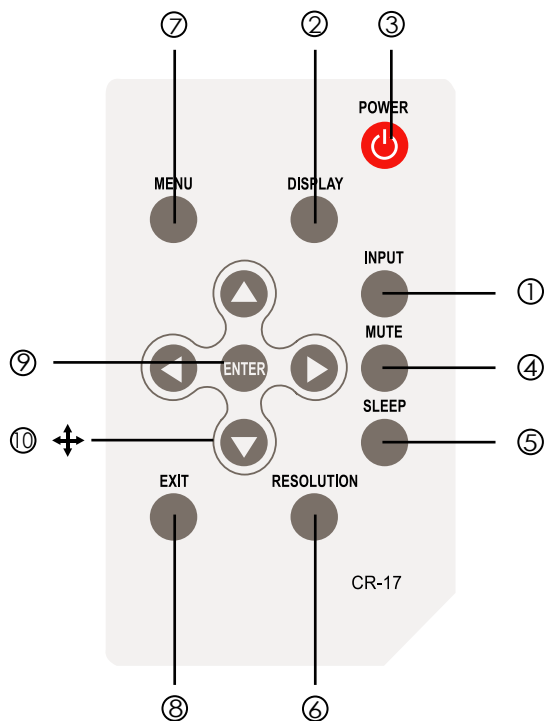
Specifications

Scart Input: RGB composite
Audio Output: 1 x stereo Audio phone jack 350m Vrms.
             1 x stereo Stereo L, R, RCA output.
PC Input: 0.7 Vp-p R.G.B. plus H&V Sync. 3~5 Vp-p.
PC Output to Display Monitor : 0.7 Vp-p R.G.B. plus H&V Sync. 3.3 Vp-p.
Power Supply: DC12V@500~800 mA
Unit weight: 644 grams
Dimensions: 226(D) X 165(W) X 46(H) mm.

Connection and Installation

| POWER DC 12V | SCART IN | AUDIO OUT L R | PC AUDIO IN | PC OUT PC IN |

Adaptor   DVD   Speaker   PC   Display