PAL to NTSC (NTSC to PAL) Digital Multisystem converter

(CDM-660)



Operation Manual

Introduction

This unit can convert video signals from NTSC, PAL, or SECAM to NTSC or PAL. This Multisystem converter is suitable for home applications.

Precautions

- 1. Do not expose this product to direct sunlight.
- 2. Keep the unit away from radiator, heat sources and magnetic field.
- 3. Do not place it in very dusty or humid locations.
- 4. Use this unit in a horizontal position only.
- 5. Do not put heavy objects on top of the converter.
- 6. Put the unit in an open space that has good ventilation.
- 7. If the unit is acting abnormally keep the unit away from TV or other electronic equipment.
- 8. Unplug the unit from the power supply when it is not to be used for a long period of time.

Features

- Includes a built in colour bar.
- Input auto detecting.
- Digital conversion from input TV signals of NTSC, N4, PAL, PAL M, PAL N or SECAM to output signals of NTSC or PAL.
- Full digital processing. Digital Line (525-625 lines) and field (60 input-50 field).
- 6M-bit field memory.

Operation Controls and Functions

Front Panel



1. Input Select:

- S-In- This will illuminate when S-In is selected.
- V-In- This will illuminate when V-In is selected.

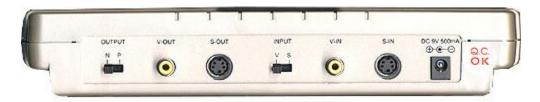
2. Input System

- **SECAM-** This will illuminate when the input system is SECAM.
- **PAL-** This will illuminate when the input system is PAL.
- **PAL M-** This will illuminate when the input system is PAL M.
- PAL N- This will illuminate when the input system is PAL N.
- NTSC 4.43- This will illuminate when the input system is NTSC 4.43.
- NTSC 3.58- This will illuminate when the input system is NTSC 3.58.

3. Output System

- **PAL-** This will illuminate when the output system is PAL.
- NTSC- This will illuminate when the output system is NTSC.

Rear Panel



- 1. **Output system select switch-** Set the switch to the type of signal you wish to output. You may either choose to output NTSC or PAL.
- 2. Video Output- Connect your output device to the Video output port using a composite RCA connector cable.
- 3. S-Video Output- Connect your output device to the S-Video output port using a 4pin mini Din connector cable.
- 4. Input signals select switch- Set the switch to select either Video-In or S-Video-In.
- 5. Video Input- Connect your input device to the Video input port using a composite RCA connector cable.

- 6. **S-Video Input-** Connect your input device to the S-Video input port using a 4-pin mini Din connector cable.
- 7. **DC Power supply Input-** This is the power supply adaptor port. It is to be used with the power pack supplied.

Connection and Installation

The AC adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Using your connector cable connect the output (Number 2/3 on Rear panel) to your output device (NTSC or PAL Video Recorder). Output being either Video or S-Video.
- Using your connector cable connect your input (Number 5/6 on Rear panel) to the input device (Video cassette recorder either- PAL, NTSC or SECAM, satellite receiver or a camcorder). Input being either Video or S-Video.

Once all connections are complete please connect the power supply provided to the power socket (number 7 on rear panel).

Input systems	NTSC, N4, Pal, PAL M, PAL N, SECAM
Output TV systems	NTSC 3.58, PAL
Connection terminals	Video Input: 1 S Input: 1
	Video Output: 1 S Output: 1
Sampling frequency	Y: 13.5 MHz
	R-Y: 6.75 MHz
	B-Y: 6.75 MHz
Digital Code bit	R: 8 bits
	G: 8 bits
	B: 8 bits
Line	525-625
Field	60-50
Power	DC 9V 500mA Center negative
Dimensions	236 (W) x 130 (D) x 45 (H) mm
Weight	400 g
Accessory	One set of video cables, AC adaptor

Specifications