

Analog NTSC to PAL M/N

(CN-100PM/N)



Operation Manual

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Introduction

This unit will convert an NTSC signal into either PAL M or PAL N. It is ideal for video games and for satellite TV and is for use with TV's that have vertical hold adjustment. Please note that video systems have 3 characteristics (colour frequency, horizontal scanning frequency and vertical scanning frequency). Analog converters only convert colour frequency, which may vary from a rolling picture to un-recordable images on VCR.

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

1. This unit converts analog NTSC into PAL M or PAL N.
2. Converter includes manual, power supply and AV cable.

Operation Control and Functions

The video system converter connected between a VCR, satellite receiver, camcorder and your colour TV will enable you to view another video system on the local TV system.

Front Panel



1. **PAL-M-** Set the switch to either PAL-M or PAL-N signal. PAL-M is a broadcast signal used only in Brazil.
2. **PAL-N-** Set the switch to either PAL-M or PAL-N signal. PAL-N is a broadcast signal used in many countries.
3. **Output- Video-** This is the Video output port. A composite video RCA connector cable is used to connect the converter to your Video device.
4. **Output- Audio-** This is the Audio output port. A phone jack 3.5-connector cable is used to connect the converter to your Audio device.

Rear Panel



1. **DC- 7.5 V-** This is the power supply input port. It is to be used with the power pack supplied. The power supply is available in 110 V or 220 V.
2. **Input- Video-** This is the Video input port. Connect this to your Video device using a composite video RCA connector.
3. **Input- Audio-** This is the Audio input port. Connect this to your Audio device using a phone jack 3.5.

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 3/4 on Front panel) to your output device. Output either being Video or Audio.
- Using your connector cable connect your input (Number 2/3 on Rear panel) to the input device. Input either being Video or Audio.

If you require PAL-M (e.g. If you are living in Brazil), then you would switch to the PAL-M select PAL-M (Number 1 on front panel). In order to select PAL-N (e.g. If you are living in Argentina), then you would switch to PAL-N select PAL-N (Number 2 on front panel).

Once all connections are complete please connect the power supply provided to the power socket (number 1 on rear panel).

Specifications

Power requirements	DC 7.5 V 500mA Center negative
Video Input	1 Vp-p 75ohm phone jack
Video Output	1 Vp-p 75ohm phone jack
Audio Input/Output	Phono jacks through unit
Operating temperatures	5 degrees to 40 degrees
Weight	Approx. 240 Grams