

# Analog NTSC to PAL with RF Output

**(CN-100P/RF)**



## Operation Manual

## **Introduction**

This unit converts NTSC to PAL and it can be switched to bypass if RF needs to be used. It 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). For the CN-100P/RF the input and output differ in all three frequencies but the converter only converts colour frequency therefore the output picture is un-recordable, the picture might be rolling constantly on screen if the TV has no V-hold adjustment.

## **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 NTSC colour frequency to PAL colour frequency.
2. It contains both AV and RF output.
3. Converter includes manual, power supply and AV cable.

## Operation Controls 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. **Bypass-** If you do not wish to convert NTSC to PAL and simply want NTSC to NTSC then switch the button to Bypass.
2. **Convert-** If you wish to convert NTSC to PAL, switch the button to convert.
3. **Output- RF-** This is the RF output port. A Female connector cable is used to connect the converter to your RF output device.
4. **Output- Video-** This is the Video output port. A composite video RCA connector cable is used to connect the converter to your Video 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 port to your device using a composite video RCA connector cable.
3. **Input- Audio-** This is the Audio input port. Connect this port to your device using a phone jack 3.5-connector cable.

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

If RF needs to be used it can be switched to BYPASS. Switch to BYPASS and select video input to RF output. Or you can switch to the CONVERT and select NTSC to PAL RF output.

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

## Specifications

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