

PAL or NTSC Video to PAL or NTSC Video Digital Converter

(12 V Car Model)



Operation Manual

Introduction

This unit accepts a range of video inputs, including NTSC, N4, PAL, PAL M, PAL N or SECAM and converts to either NTSC 3.58 or PAL (through jumper setting on PCB). It is ideal for car 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

- It includes a built in colour bar.
- Enables input auto detection.
- Digital conversion.
- Digital line (525 ~ 625 lines) and field (60 ~ 50 field) conversion.
- 6 M bit field memory.
- Built in 12V DC to DC inverter, ideal for use in car application.

Operation controls and functions

Front Panel



1. **Video Input-** This is the Video Input port. Video input can be NTSC, NTSC4, PAL, PAL M, PAL N or SECAM. It will be automatically recognized by the unit and converted to either NTSC or PAL output depending on the jumper setting on the PCB. Connect the video input port to your video device using a composite RCA connector cable.
2. **Power-12V DC-** This is the power supply input port. Connects to car battery output.

Rear Panel



1. **Video Output-** This is the video output port. It connects to your TV or LCD display unit through the use of a composite RCA connector cable.

Connection and Installation

- Using your connector cable connect the input port (Number 1 on the front panel) to the input device.
- Using your connector cable connect the output port (Number 1 on the rear panel) to the output device (TV or LCD display unit).
- Connect the power supply input to the car battery output.

Specifications

Input Systems	NTSC, N4, PAL, PAL M, PAL N, SECAM
Output TV Systems	NTSC 3.58, PAL (through jumper setting on PCB)
Connection Terminals	Video Input: 1 Video Output: 1
Sampling frequency	Y: 13.5 MHz R-Y: 6.75 MHz B-Y: 6.74 MHz
Digital Code Bit	R: 8 bits, G: 8 bits, B: 8 bits
Line	525-625 lines
Field	60-50 lines
Power	DC 12V 500mA