

Multisystem Video Converter

**From NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N,
SECAM To NTSC 3.58,PAL**

Operation Manual

Precautions

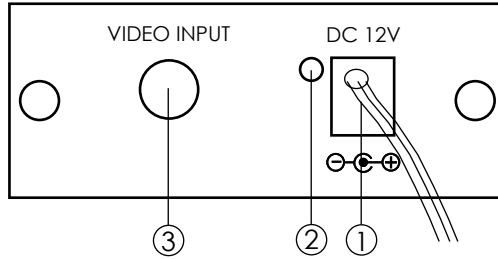
1. Do not expose this product to direct sunlight.
2. Keep the unit away from radiator, heat sources and magnetic field.
3. Do not place it in very dusty or humid locations.
4. Use this unit in a horizontal position only.
5. Do not put heavy object on top of the converter.
6. Put the unit in an open space that has a good ventilation.
7. If the picture is affected. 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. Built-in color bar.
2. Input auto detecting.
3. Digital conversion from input TV signals of NTSC, N4, PAL, PAL M, PAL N, SECAM to output signals of NTSC-60Hz, PAL-50Hz.
4. Digital line (525 ⇌ 625 Lines) and field (60 ⇌ 50 field) conversion.
5. 6M field memory.
6. Built-in 12V DC to DC inverter, Ideal for use in car application.

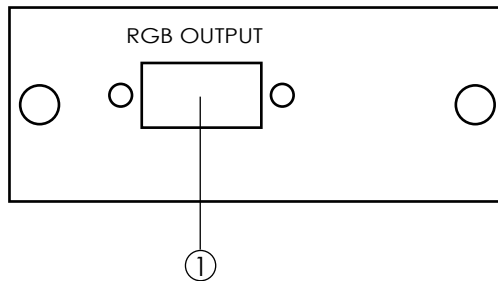
Operation controls and functions

Front panel



1. 12 Volt DC power input: Connects to car battery output.
2. Power LED.
3. Composite video input connector:
Video input can be NTSC, NTSC 4, PAL, PAL M, PAL N, and SECAM.
It will be automatically recognized by the unit and convert to either NTSC-60Hz or PAL-50Hz RGB output depending on the switch setting on the PCB.

Rear panel



1. RGBS output D Sub-9 connector: Connects to your TV, or TFT LCD display unit. (Refer to spec. for pin configuration)

Specifications

Input TV Systems	NTSC, N4, PAL, PAL M, PAL N, SECAM
Video input	1 Vp-p 75 ohm
RGBS output	R.G.B: 0. 7Vp-p Sync: H+V 0.3 Vp-p
Output TV Systems	NTSC-60Hz, or PAL-50Hz (through switch setting on PCB)
Output Signal	<p>DB9 Pin configuration</p> <p>Gray: PIN 1 — GND</p> <p>Brown: PIN 2 — Sync of source 1</p> <p>Red: PIN 3 — RED out</p> <p>Yellow: PIN 4 — RED in from source 1</p> <p>Green: PIN 5 — Green in from source 1</p> <p>Blue: PIN 6 — Green out</p> <p>Purple: PIN 7 — Blue out</p> <p>Orange: PIN 8 — Blue in from source 1</p> <p>Black: PIN 9 — Sync out</p> <p>Source 1: Loop-through RGB/S input.</p> <p>Source 2: Video input.</p>
Connection Terminals	Video input x 1 RGB output x 1
Sampling Frequency	R : 8 bits G : 8 bits B : 8 bits
Digital code bit	Y: 13.5 MHz R-Y: 6.75 MHz B-Y: 6.75 MHz
Line	525 ⇄ 625
Field	60 ⇄ 50
Power	DC 12V 0.2A
Dimension	145.5(W) x 76.7(D) x 30(H) mm
Weight	290g
Accessory	One set of video cable, AC adaptor

Connection and Installation

