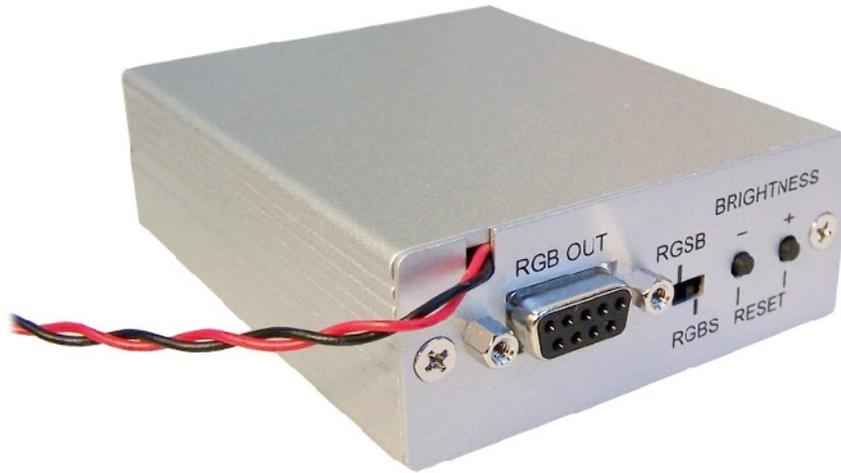


**Video (PAL or NTSC) to RGB
Converter with 12v Relay Switch for
Reverse Camera ID# 173**



Operation Manual

Introduction

The Video (PAL or NTSC) to RGB Converter with 12v Relay Switch for Reverse Camera allows video signals from NTSC/PAL/SECAM to be converted into RGB/Sync or RGBsB(Sync On Green) to allow video to be viewed on most in-car LCD screens.

It also includes 12volt trigger for reverse camera input. This enables you to add reverse camera to your car - when the car is placed into reverse, the 12volt relay triggers the video source to come on from the camera to override your navigation screen.

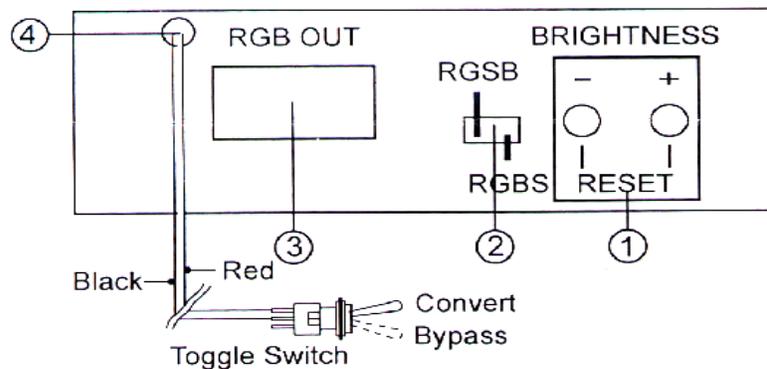
Please note that this is one way style conversion;

NTSC Video to NTSC RGB OR
PAL Video to PAL RGB

Features

- Digital decoding and encoding ensures best conversion quality.
- Converts NTSC/PAL/SECAM composite video to RGB/Sync or RGBsB(Sync on Green).
- Input System auto detecting.
- RGBs input loop through.
- Sync Polarity switchable between positive and negative.
- Output brightness adjustable..

Operating Functions and Controls Front Panel



1. - And + buttons/reset button- The – and + buttons are used to decrease and increase the brightness level respectively. Simultaneously pressing the – and + buttons returns brightness to its factory default value.

2. RGBs/RGsB switch- This button allows the user to select between RGsB (Sync on Green) or RGBs.

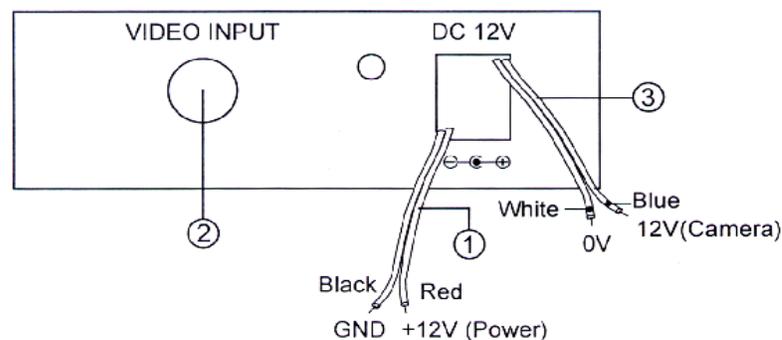
3. 9 Pin D Female connector:-

Pin No.	Wire Colour	Function
Pin 1	Grey	GND
Pin 2	Brown	Sync of source 1
Pin 3	Red	Red out
Pin 4	Yellow	Red in from source 1
Pin 5	Green	Green in from source 1
Pin 6	Blue	Green out
Pin 7	Purple	Blue out
Pin 8	Orange	Blue in from source 1
Pin 9	Black	Sync out

Source 1: Loop through RGB/S input
Source 2: Video Input

4. Toggle switch- Toggle between convert and RGB bypass.

Rear Panel



1. DC power supply input- This is the power supply input port.

2. Video input- This is the Composite Video input port.

3. Control wires- When the control wire is connected to 12 Volt, it forces the unit to go into convert mode. When the control wire has no voltage apply to it, the toggle switch will dictate the convert/bypass mode.

Connection & Installation

- Connect the RGB out port to your RGB device using a 9 Pin D female connector.
- Set the switch to either RGBs or RGsB.
- Use the - and + to adjust the level of brightness to the desired level.
- Connect the Video input port to you video device using a Composite Video RCA jack.
- Connect the control wire. If the control wire is connected to 12V the unit will be automatically forced to go into convert mode. If there is no voltage applied to the control wire, then the toggle switch will decide the convert mode.
- When all the connections are complete ensure that the power supply is connected to the power socket.

Specifications

Input	Video input- 1Vp-p 75 ohm RCA Jack RGBs input: Pass through
Output	RGB: 0.7 Vp-p 75 ohm 9-pin D female connector. Sync: 3 Vp-p positive or negative polarity
Power Supply	DC 12V center positive
Dimensions	94mm (D) x 77mm (W) x 30mm (H)
Accessory	One set of D-Sub 9 Pin RGB bare wire and one set of 2-wire power.
Weight	0.4 Kg