

CAR-2G Video to RGB/Sync Converter

Adding video capability to your car navigation system.

Operation Manual

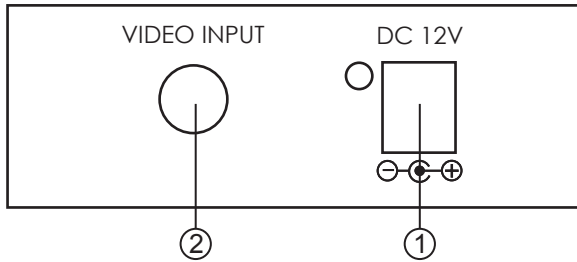


Features:

1. Digital decoding and encoding ensures best picture quality.
2. Converts NTSC/PAL /SECAM composite video to RGB/Sync or RGSB(Sync on Green).
3. Video field conversion 50Hz->60Hz through SW2 switch on the PC board.
4. RGSB input loop through.
5. Sync polarity switchable between positive and negative through SW4 switcher on the PC board.
6. 6M field memory.
7. Bare-wires RGSB input/output.
8. Universal interface for vehicles with no plug and play solution, Cutting and slicing will be required.

Operation Controls and Functions:

Front Panel



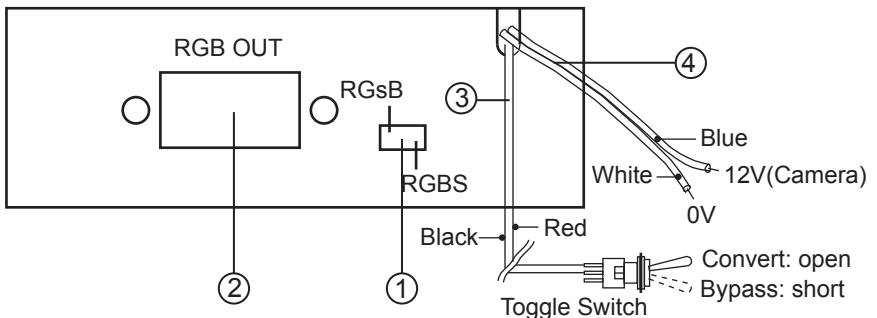
1. DC power supply input:

DC 12V center positive: Connects to car battery output .

2. Video Input.

Connects to reverse camera or other video source.

Rear Panel



Operation Controls and Functions:

1. RGBS/RGsB Switch: To select between RGsB(sync on Green) and RGBs output.

2. 9-Pin D Female connector:

RGB out: DB9 Pin configuration
Gray: PIN 1 — GND
Brown: PIN 2 — Sync of source 1
Red: PIN 3 — RED out
Yellow: PIN 4 — RED in from source 1
Green: PIN 5 — Green in from source 1
Blue: PIN 6 — Green out
Purple: PIN 7 — Blue out
Orange: PIN 8 — Blue in from source 1
Black: PIN 9 — Sync out
Source 1: Loop-through RGB/S input.
Source 2: Video input.

3. Toggle switch to switch between convert and RGB bypass.

JP2	Output	Select
	Open	Convert
	Short	Bypass

4. Control wires(12V Camera/GND)

PCB printed JP3

When the control wire is connected to 12 Volt, the unit will go into "Convert" mode. When the control wire has no voltage applied to it, the toggle switch will dictate the "Convert/Bypass" mode.

T.Switch	C.wire	12V	0V
	Output		
Convert		V in	V in
Bypass		V in	RGB Bypass

Specifications:

Input:

Video input: 1 Vp-p 75 ohm RCA jack x 1

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)x77mm(W)x30(H)mm

Accessory: One set of D-Sub 9-pin RGB bare wire
and One set of 2-wire power.

Weight: 0.4 Kgs

