

# ABI-EV1017

## 4 Channel RF PAL Modulator with infrared-bus

1) Description

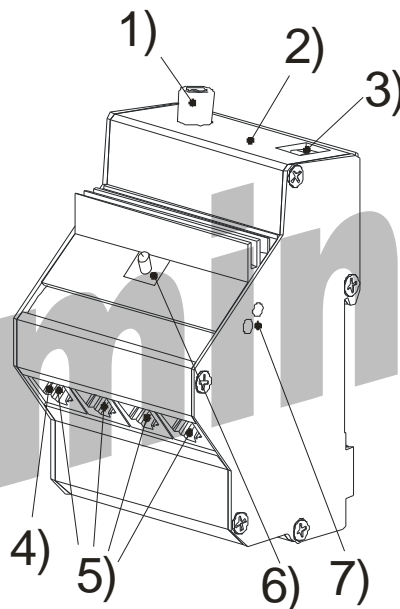
Indoor RF Pal Modulator for Home & Small Office Networks based on Shielded Twisted Pair. DIN-Rail 35 mm compatible aluminium housing with 4 balanced composite video and audio input ports in RJ45 format. Provided with infrared-bus functionality.

2) Item Reference numbers

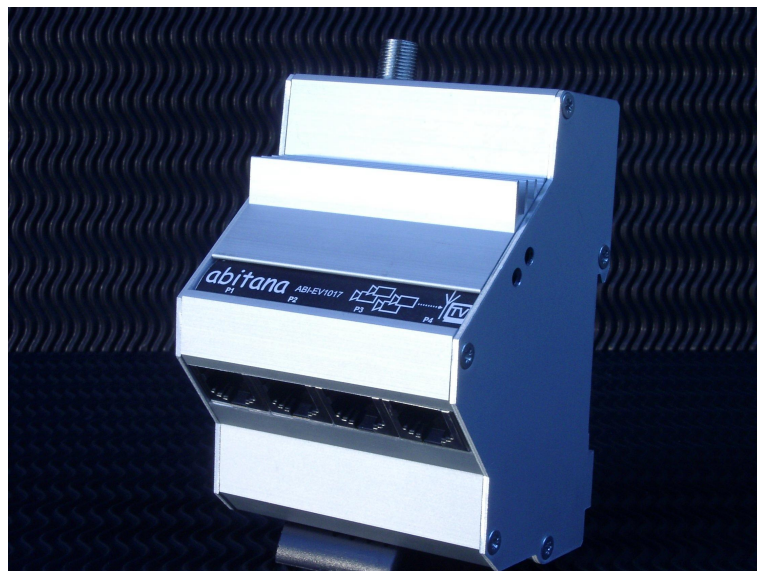
- ABI-EV1017S00

4 Channel RF PAL Modulator with infrared-bus

3) General View



4) Picture



abitana

[www.abitana.com](http://www.abitana.com)

# ABI-EV1017

## 4 Channel RF PAL Modulator with infrared-bus

- 5) Features: (Numbers refer to general view)
- 1) F-type (IEC61169-24) single ended (Coax) UHF output (Dual-Side Band Carriers)
  - 2) Fully Shielded aluminium housing DIN-Rail (EN50022) compatible with fan-less cooling design.
  - 3) Low Power consuming design
  - 4) Power (5V) and Video Signal Indicator LED
  - 5) 4 Balanced inputs shielded RJ45 type (IEC60603-7) with:
    - Balanced Composite video on Pins 7&8
    - DC +5V on Pin 1 and GND on Pin 4
    - Infrared (5V pulsed) on Pin 5
    - Audio R on Pin 2 & Audio L on Pin 6 (Audio GND Pin 3)
  - 6) Raster selector and programmer
  - 7) Infrared Bus emitter and receiver at both sides
  - 8) Uses Comm. Center 5VDC power supply

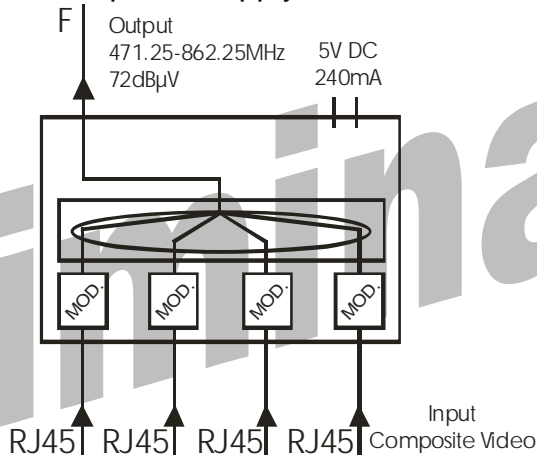
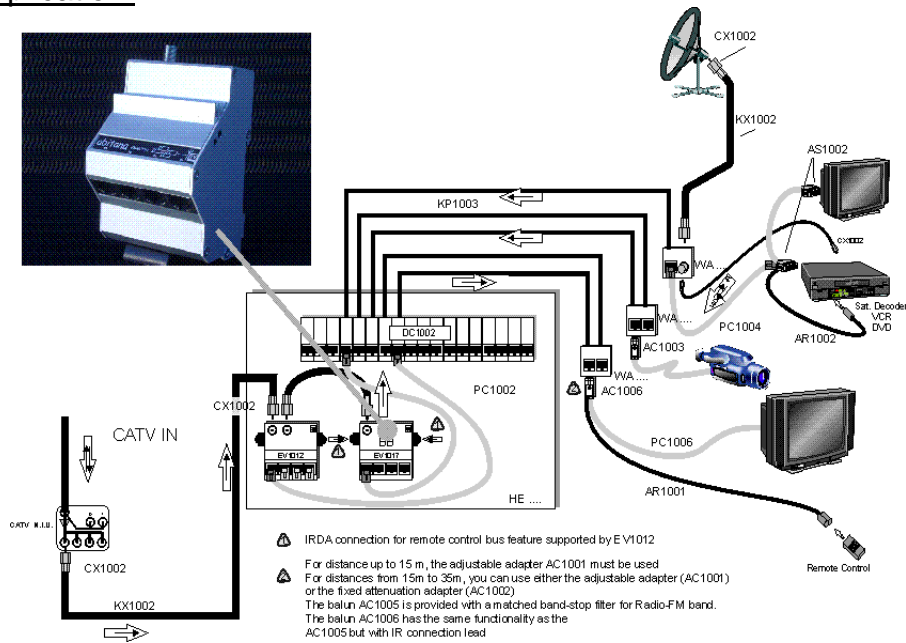


Figure 1: Block Scheme

6) Typical Application:



## ABI-EV1017

### 4 Channel RF PAL Modulator with infrared-bus

7) Technical characteristics

a. Mechanical

Dimensions: Height: 110mm Width: 71.2mm Depth: 65mm

Weight: 190g

Connectors:

- Output: F-Type IEC61169-24
- Input: RJ45 Shielded jacks IEC60603-7
- Power: Phoenix Contact SMC 3.81

b. Electrical

- Power supply Voltage: 5V DC
- Power Consumption: 1.2 W
- Ambient Operating Temperature: 0°C->40°C

c. Transmission

- 4 UHF output channels programmable between Channel 21 and 69
- Output level 72dB $\mu$ V PAL G Modulation
- 16 MHz bandwidth/channel (min. separation)

d. Optical

- Peak Wavelength of emission 880 nm

8) Package-Labeling

T.B.D.

Preliminary

abitana

[www.abitana.com](http://www.abitana.com)