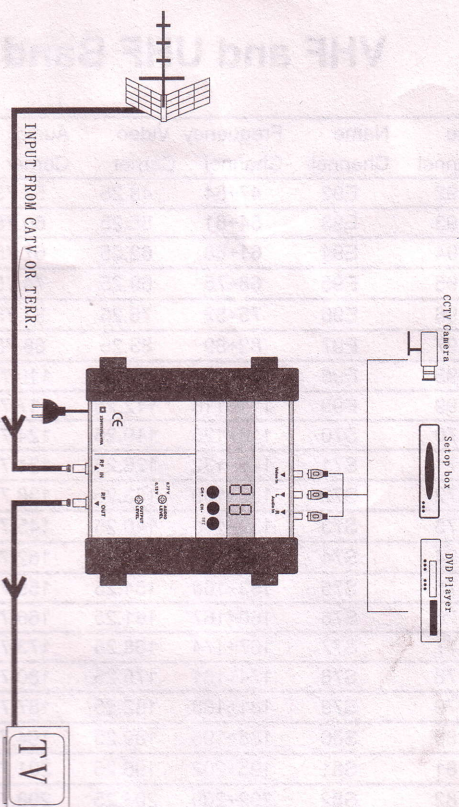
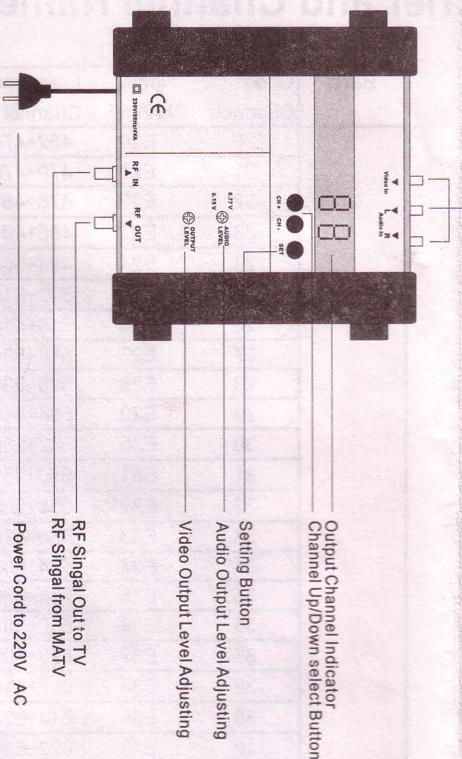


Agile PLL FULL BAND Video/Audio Modulator User Guide



Audio/Video Singal Input Connectors



Caution:

- *Indoor Use only
- *Do not place modulator near heat or humid conditions
- *Modulator Must not come into contact with water or splashed by liquids
- *To disconnect Modulator from other devices, Pull from connectors only, never pull from cables.
- *Before plug in the power cord of modulator, be sure the AC source is 220V/AC
- *Be sure the Modulated output channel is not the same as from the Other RF sources which connected to modulator

How to use:

1. Connect the Male RCA connectors from the Video and Audio Sources (DVD player, DVB set top box, CCTV camera and so on) into the modulator RCA jack.
2. Connect the F male connector from TV set to the F female connector of the RF out in modulator.
3. Connect the F male connector from the RF source (Terrestrial antenna, CATV, or other modulator) to the modulator RF in F female connector.
4. Connect the power plug to the AC power jack, the LED display will show the last selected channel.
5. How to select the output band, channels and TV system:
Keep pushing the **SET** button, the display switches as following:
SS: TV system setting. Use ch+ and ch- buttons to select, the LED display shows:
nn--Audio 4.5MHz, **bg--**Audio 5.5MHz, **pi--**Audio 6.0MHz, **dl--**Audio 6.5MHz
b1: Band 1, VHF-I channels, use ch+ and ch- buttons to select the channel from 92-99
b2: Band 2, VHF-II channels, use ch+ and ch- buttons to select the channel from 70-95
b3: Band 3, VHF-H channels, use ch+ and ch- buttons to select the channel from 1-20
b4: Band 4, UHF channels, use ch+ and ch- buttons to select the channel from 20-69
For more details about the channel information, please turn over to check the channel list.
6. Adjust the Video and Audio output level to the best output quality.

Specification :

RF:

- Frequency Range :
- VHF-I : 48.25-112.25MHz (CH92-99)
- VHF-II : 119.25-294.25MHz (CH70-95)
- VHF-H : 303.25-455.25MHz (CH1-21)
- UHF : 463.25-855.25MHz (CH20-69)

Bandwidth :

- VHF-I/II : 7MHz
- VHF-H/UHF : 8MHz

- Output Level : 90dBuV (typical)
- Frequency Stability : +/-5KHz
- Spectrum Output : -50dBc
- Output Impedance : 75Ohm
- Output Return loss : 14dB (typical)

Video :

- Input Level : 0.77Vp-p for 80% +/-10% modulation
- Input level Addition : 0.4--0.8 Vp-p
- Visual C/N : 55dB

- Frequency response : +/- 2.5dB(50Hz to 4.2MHz)
- Hum and Noise : -55dB@ 87.5% modulation
- Output Impedance : 75Ohm

Audio :

- Frequency adj. Range : 50Hz to 50KHz
- Frequency Response : +/-2dB
- Input Impedance : 600Ohm unbalanced

Connectors :

- Video Input : RCA female
- Audio Input : RCA female
- RF output : F female
- RF Input : F female

General:

- Channel Indicators : Red LED
- Power requirement : 12VDC/300mA
- Input Voltage : 220V/AC
- Dimension (WxHxD) : 12.9x 12.5 x 5.1cm
- Weight : 0.452Kgs
- Temperature Range : -20C----+50C

