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TV PLL SENDER (Model 14210-xxx) Product Brochure

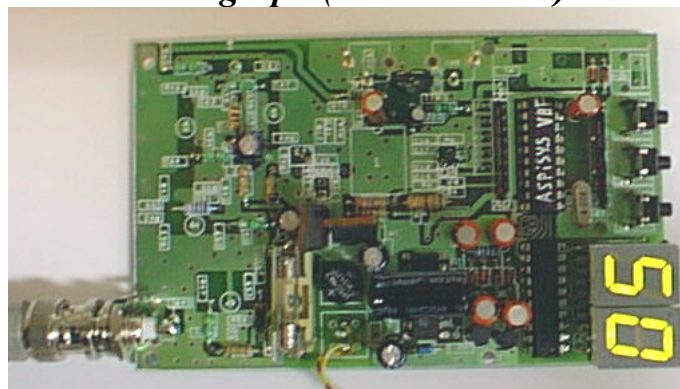
TV PLL Sender is a color video/audio RF modulator / sender kit for home or other use. You connect video and/or audio and send it wirelessly up to 100m (in most city conditions). The video input can be from a VCR or VCP, a CCTV camera, a video mux out, etc. Reception is on a regular television set on VHF III, or S-VHF (cable channels), or UHF IV-V (depending on type, either VHF or UHF). It's also ideal for wireless monitoring from a distance, or any kind of surveillance including audio (optional microphone).

The most common use is the distribution of VCR/VCP to unlimited TV sets (within the reception range, approximately a 100m radius from the TV PLL Sender).

You can change the RF output channel on the fly. Just press the UP or DOWN buttons to go to the next or previous channel, respectively. The transmission channel is always displayed on the 2-digit LEDs.

A third button, TEST/ENTER, allows you to modulate a two-vertical-bar test screen that helps tune the TV set more easily. Press on this button again to display the actual video input.

Photograph (overhead view)



SPECIFICATIONS

Video

Video Signal	: Composite Video
Video Level	: 1 Vpp
Input	: 75 Ω (RCA)
Modulation Depth	: 82.5%
Picture/Sound Ratio	: -14 db
System Standard	: B/G PAL [On demand: NTSC (M/N) or SECAM (I,DK)]

Audio

Audio Level	: 150 mV÷1 Vpp (trimmer adjustable)
Input	: 10 K RCA
Deviation	: 50% or 25 KHz [for NTSC=71.5% or 17.9KHz]
Pre-emphasis	: 50 μ S (PAL) [75 μ S (NTSC)]
Frequency Response	: 50 Hz to 15 KHz $\pm$ 1 db

<i>Dimensions</i>	: 12cm (L) x 7.5 cm (W) [Height: 3.5cm max]
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RF Part

Band	: (a) VHF III & S11-S30 Model V : (b) UHF IV-V Ch. 21-69 Model U <i>Note:</i> USA (FCC) channels (cable also) only upon request on NTSC models NTV/NTU/NTV (depends on frequency) : (c) Special frequency Model SPI Alterations can be programmed on request. For VHF, from 174 MHz to 420 MHz. For UHF, from 470 MHz to 1023.9375 MHz (with a 62.5 KHz step).
RF Output Level	: 121 db μ V or 25mW (+14dbm) (61dbmV) or 1.122 V (Peak Video Pulse)
Output Z	: 50 Ω (BNC) : 300 Ω Whip Antenna (Box only)
Transmission Type	: DSB Video (Audio FM F3A)
Video/Audio Δ f	: $\pm$ 5.5 MHz PAL type B/G (4.5 MHz on NTSC, 6.0 MHz on I, and 6.5 MHz on D/K types, only upon request).
F _{RF} Video freq. accuracy	: $\pm$ 50 KHz
Spurious	: -35 dbc
Second video harm. level	: -38 dbc
Second audio harm. level	: -60 dbc
Chroma beat	: -60 dbc

Power requirements

Supply Voltage	: 10÷18 V DC or 9÷14 V AC
Fuse protection	: 1 A
Supply Current	: 400 mA
Power Consumption	: ~3 W
EEPROM	: Saves power-up channel.

Thank you for considering our product.