

# ST-8802

## 32-Channel Digital TV Channel Filtering Optimizer/Encoder

- Programmable Terrestrial TV and Cable TV channel filter, combiner, converter, equalizer and amplifier
- Capture and compose 32 TV channels to multiplex output channel plan with Automatic Gain Control (AGC)
- Support all TV standards - ATSC, DVB-T, ISDB-T(b), DVB-C with 6, 7 or 8 MHz channel bandwidth
- Compact, reliable, durable and cost-effective TV channel filter
- 4 input ports with integrated preamplifier and 12 VDC (antenna) power supply
- Adjustable output power level between 33 and 53 dBmV to drive signal coverage of multiple TVs
- Intuitive on-panel 2.4" LCD and keypad operation
- Software upgrade via mini USB
- Web based configuration via LAN (RJ45) port
- Output test port with 20 dB attenuation



### Input

- 4 x 75Ω F

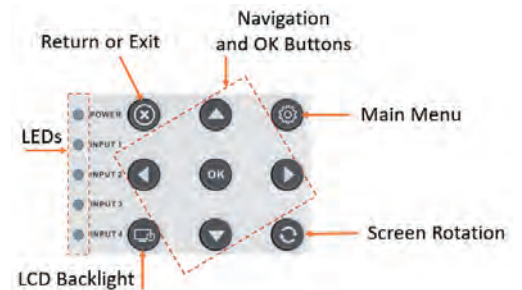


### Output

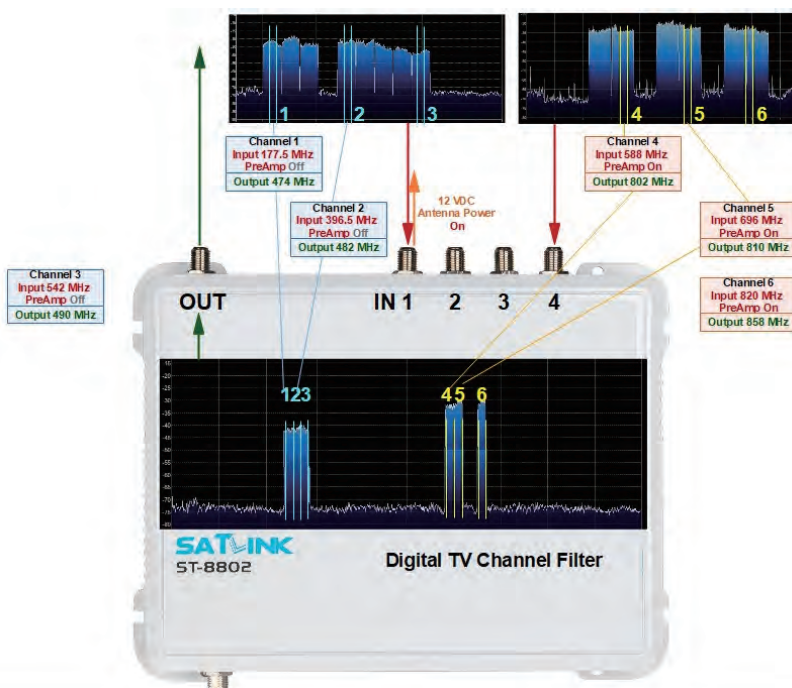
- 1 x 75Ω F
- 1 x 75Ω F Test (-20dB)

### System Interface

- 1 x mini USB
- 1 x 1000Base-T (LAN RJ45)



ST-8802 Digital TV Channel Filter Captures up to 32 Terrestrial or Cable TV Channels to Deliver Multiplexed TV Signals over Coax Network



### ST-8802 Specification (subject to change without notice)

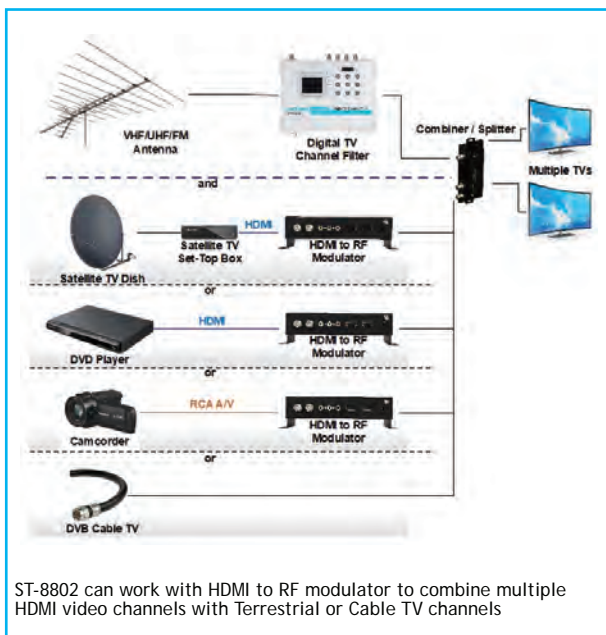
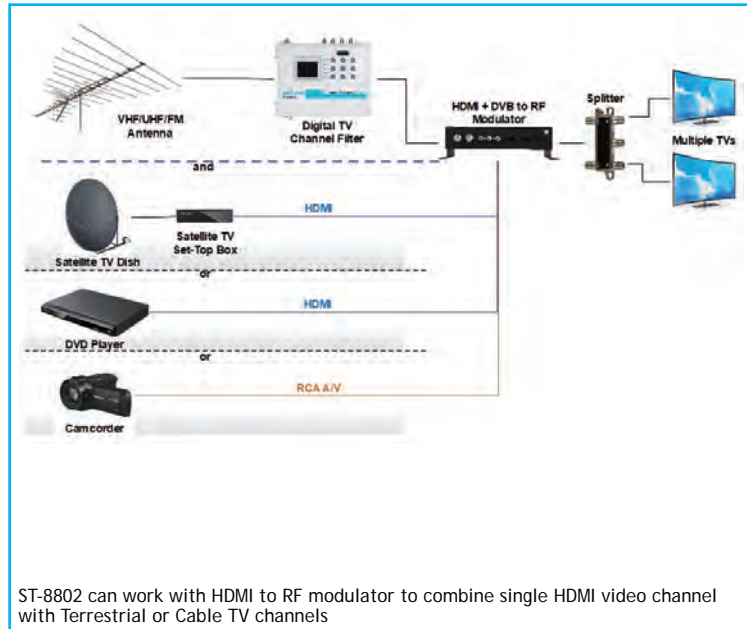
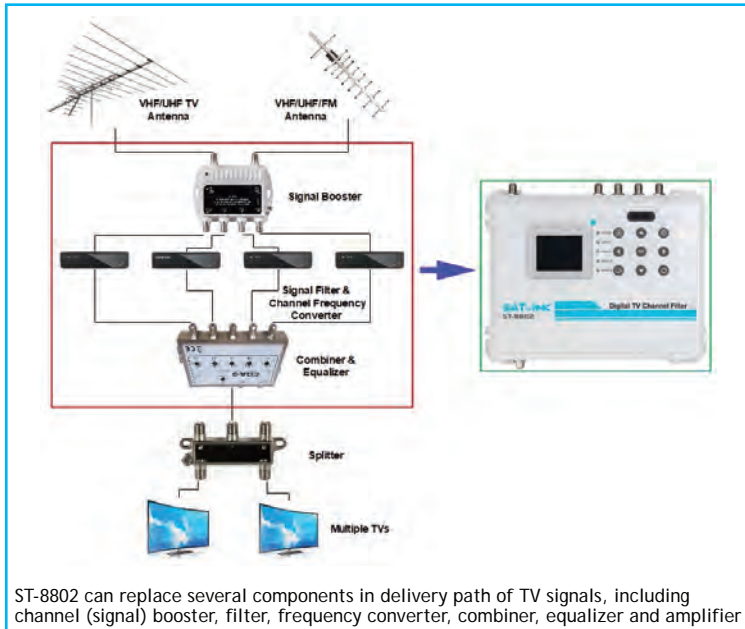
Input and Output	
Interface	Input 75Ω F x 4, Output 75Ω F x 1, -20dB Test 75Ω F x 1
Output Frequency	174 to 862 MHz
Input Level	45 to 109 dBμV
Output Level	max 113 dBμV
Gain	VHF 35 dB, VHF 45 dB
Gain Control	Channel AGC
Attenuator	0 to 31 dB
Electrostatic Discharge Protection (ESD)	All Input Ports
Output MER	>32 dB
General	
Power Supply	12 VDC, 1.5A
Dimensions with Rack	10.25" x 7" x 1.75" (230 x 177 x 44 mm)
Weight	2.58 lb (1.15 kg)
Temperature	5 to 50 °C (Operation) -20 to 80 °C (Storage)

Up to 32 TV channels can be captured and configured for multiplexed output with consistent output power level

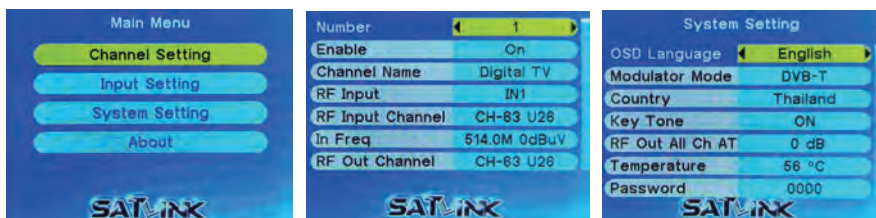
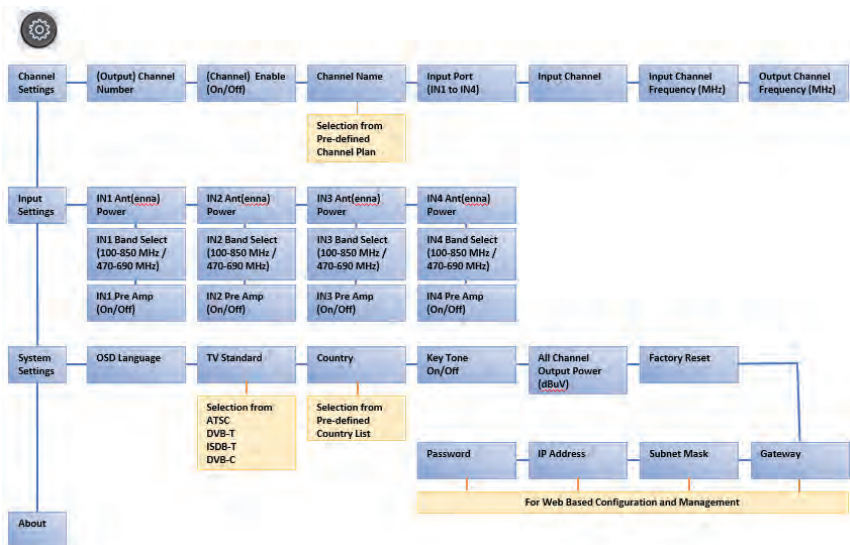
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### ST-8802 Application Scenarios



### ST-8802 On-Screen Menu Tree



### Safety Instructions

- Basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and personal injury, including the following:
- Do not use this product near water – for example, near a bathtub, kitchen sink, laundry tub, or swimming pool, or in a wet basement; only clean with dry cloth.
  - Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus including amplifiers that produce heat.
  - Do not remove the cover of the modulator, cover the modulator with thick or heavy objects.
  - Use only the power cord indicated in this manual if applicable.

### Warranty

This device has two-year Limited Hardware Warranty and 90-day free software updates after purchase. This Limited Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from State to State in the United States, from province to province in Canada, and from country to country elsewhere in the world. To the extent that this Limited Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain disclaimers and limitations of this Warranty Statement may not apply to the customer.