

TS RECORDER / PROCESSOR / PLAYER



The **TG-130** is a versatile **MPEG-2 Transport Stream processor, recorder and player** with an integrated **DVB-T tuner** that allows **TS capturing in real time**.

It can record a transport stream continuously for several minutes and then play it back later at pleasure. The recorded streams can also be processed to create others TS transport streams with different content. The **TG-130** is a useful equipment to work in the field where maybe it is not possible to find electricity available.

The Transport Streams can contain a single service or multiple ones so that the user can have full flexibility during the test phases of digital set top box or iDTV's design, manufacture or service.

Services included in the transport stream can be audio, video or data in **MPEG-2** formats and can correspond to **free to air** or **encrypted** programs in standard definition (**SDTV**) or high definition (**HDTV**).

The **TG-130** comes with preloaded test transport streams that can be selected using the device front panel controls. Thanks to the PC computer interface and the web server functions the users can also edit or tailor the transport streams to their specific requirements.



The **TG-130** in combination with a digital modulator, such as **MO-170** for DVB-T for instance, becomes a highly flexible and affordable digital broadcast signal simulator.



The **TG-130** is a Lithium-Ion battery powered equipment, ideal for real DVB-T signal capture.

A Transport Stream is a sequence of bytes containing audio, video and data.

The **TG-130** contains software programs to play, record, analyze, demultiplex and build Transport Streams.

The **TG-130** has a hard disk with two partitions. One partition contains the operating system and the software. The other partition is where the Transport Stream files are stored. The equipment

has two outputs and one input: one ASI output (Asynchronous Serial Interface), one SPI output (Synchronous Parallel Interface) and one ASI input. It also has a RF input (from 35 to 100 dBμV).

The same data are sent to both outputs at the same time. The ASI uses a BNC type connector while the SPI uses a DB25.

The **TG-130** Data Compact Flash is recommended for applications like captures in the field where the equipment could be subject to knocks or vibrations. As it has no mechanical moving parts, it offers an improved longer term reliability.



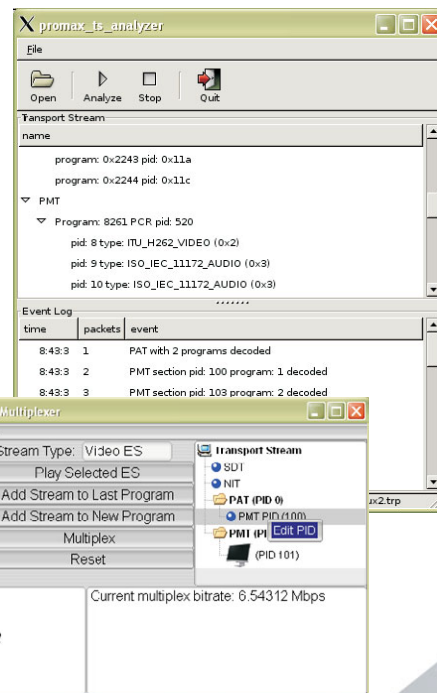
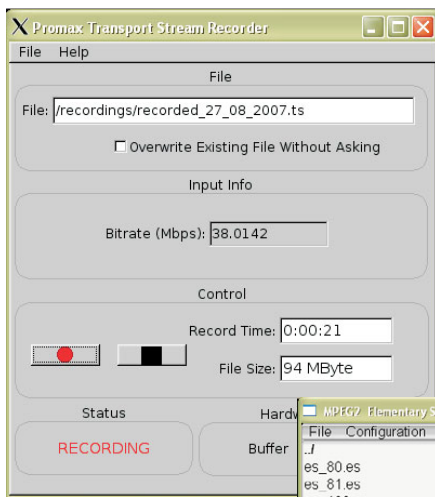
Example of a pre-recorded test program

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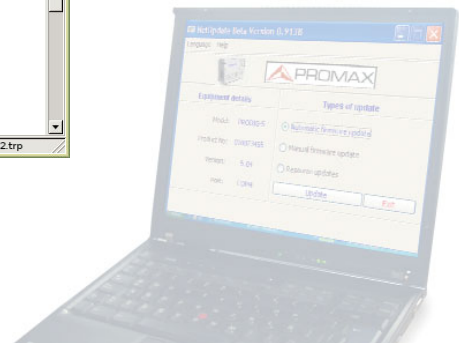
Example of a pre-recorded test program

The information contained in the **TG-130** can also be saved on an external massive storage device using its ethernet interface, as it has a SAMBA interface for file sharing.



Remote Control

The **TG-130** can be easily operated using the front panel keys, rotary knob and display. It is also possible to control the **TG-130** from a PC computer via the ethernet interface. The access to the device can be locked by password when security issues are important.



SPECIFICATIONS

Inputs

ASI transport stream
Maximum data rate 140 Mb/s
RF / DVB-T from 35 to 100 DB μ V

Outputs

ASI transport stream
SPI parallel transport stream
Maximum data rate 32 Mb/s

Storage capacity

Memory card 8 GB
45 minutes of 20 Mb/s TS

PC computer connection

Ethernet interface