

The MRG ATP 950

Opt-Out Decoder

The ATP950 is a six-channel analogue teletext decoder that decodes incoming signals and switches relay outputs accordingly. This is intended to allow regional broadcasters to insert their own local advertising.

During an advertisement break a signal is transmitted from the central TV station. The regional stations decode the signal and relay contacts switch opt-out outputs to control video play-out of local advertising. There are various encodings used to control opt-out switching and each channel may be configured to one of over a dozen different methods.

The ATP950 has two isolated sets of relay contacts and two led indicators for each video channel. A serial port allows the unit to be set up and monitored with a terminal emulator.



Main features

- The unit decodes the following types of opt-out control signal:
 - Inverted teletext on pages 101, 201, 301 or 401
 - Eurosport and MTV packet 31
 - National Geographic page 70A (two types)
 - MRG Packet 8/30/3 optouts
- Two packet 31 modes (9 and 10)
- Flexible programmable delays can be set
- The unit logs incoming packets for analysis together with a time stamp from the teletext service.
- The user can specify particular CRC values as opt-out control signals.
- Battery backed RAM to store settings



Technical specification

6 x PAL inputs	1Volt Composite BNC PAL unterminated input with passive loop-through.
Relay outputs	Twelve GPOs arranged into six channels each with both an OK and an opt-out contact.
Setup	RS232 serial port for configuration. 9 way male 'D' type connector
Baud Rate settings	3 available – 9600, 19200 and 38400
Teletext decoders	6 Philips MVDAC 16 Mhz devices
Processor	Motorola 68307
Memory	256k SRAM
Buffer	Serial buffer device converts TTL signal level
Power	230v <15va