

**CW-4884 MPEG-2 Decoder Quad**

Four independent MPEG-2 decoders with loop-through ASI input and PAL output each

**CW-4882 MPEG-2 Decoder Duo**

Two independent MPEG-2 decoders with loop-through ASI input and PAL output each

**CW-4984 MPEG-2 Decoder Quad**

Four independent MPEG-2 decoders with common Gigabit Ethernet input and PAL outputs

**CW-4982 MPEG-2 Decoder Duo**

Two independent MPEG-2 decoders with common Gigabit Ethernet input and PAL outputs

**USER'S GUIDE**

Dear User!

*In spite of the rapid spreading of digital television technology input signals for earlier analogue TV modulators and monitors will still be needed in the next few years. The models of CableWorld's MPEG-2 decoder series comprise four or two independent MPEG-2 decoders each. In the CW-488x versions, the decoders are equipped with loop-through ASI input. The CW-498x versions already belong to the next generation, they have no ASI inputs; the decoders are fed from the unit's common gigabit Ethernet input.*

**1. MECHANICAL CONSTRUCTION**

The models of the MPEG-2 decoder series are built in standard 19" × 1 HU instrument cabinet. They are delivered along with following accessories:

1. Power cord 1 ea.
2. Spare fuse T 1.25 A (placed in the fuse holder mounting) 1 ea.
3. Crossover cable with RJ45 connectors 1 ea.
4. Integrated USB interface for software upgrade

The devices are equipped with own switching mode power supply. The supply voltage of the interface circuitry is 3.3 V, but the signal processor circuits are powered from a voltage as low as 1.2 V only. The power consumption of the devices is low therefore no cooling or ventilation is needed, but do not use it blocked from the natural airflow.

**2. HARDWARE AND SOFTWARE SUPPORT**

All descriptions, technical data and software related to the CableWorld products are published at the web site [www.cableworld.eu](http://www.cableworld.eu). All these materials are available here for free download and use.

Configuring the decoder parts of all versions of the CW-488x and CW-498x will be made with the SW-4884 software.

The receiver part of the IP-input versions will be configured with the SW-4901 software. The IP receivers can receive UDP packets with 1 to 7 packet/UDP data content in 188 or 204 byte/packet format, and they can receive also CW-Net format packets.

For configuring the Gigabit Ethernet Controller and the IP network see the detailed description 'Transport Stream Managing over IP' (also available at the web site).

For analyzing and reproducing the input ASI transport streams or the transport streams arriving via IP line, the device is equipped with transport stream analyzer function. The device is suitable for working together with all devices and software of CableWorld's CW-Net system.

**3. SCOPE OF APPLICATION**

In the analogue to digital transition period the input signal for analogue TV modulators can be assured in a simple way by using the MPEG-2 Decoder Quad and Duo. The CW-488x can advantageously be used for converting into PAL coded analogue video and sound signals the ASI signals of local digital headends, and the CW-498x for converting into PAL the signals of distant digital systems, sent via IP network. The four or two decoders can feed 4 or 2 analogue channels at the same time.