

# Transport Stream Switch

## TSS 3010



**BROADCAST  
EQUIPMENT**

The TSS 3010 transport stream switch is a device for signal distribution of a digital transmitter with ASI feed.

At a head end station video and audio signals, programs or data services are transformed into a MPEG data stream by AD converters and appropriate compression means.

Subsequent to it several of these data streams are combined in a multiplexer. The resulting data stream is generally called "ASI data stream". ASI stands for asynchronous serial interface. The ASI data stream is asynchronously generated, which means that only that data line will be transferred. The clock must be recovered by a PLL in the receiver.

The clock speed of an ASI signal is 270 Mbps.

The TSS 3010 includes a switching matrix that can conduct eight ASI signals independently on two different outputs.

Each input signal can be switched individually to an output port. The switching status can be read on LED indicators at the front panel. Both, the two ASI inputs and eight ASI outputs are located at the back. For checking the setting of the switching matrix with a monitoring decoder, there are additionally two test outputs available. They are located on the front panel.

The device is equipped with an AC power supply with wide input voltage range, so that it works as well in 230 V networks as in 110 V networks. An indicator for the correct operation of the power supply is located on the front panel.

### KEY FEATURES

- 8 ASI signal inputs
- 2 ASI signal outputs
- 2 test ports
- cable equalization
- Automatic jitter filtering
- SNMP support (option)
- Remote control (option)
- Easy to use

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# Specifications

## ASI Input parameters

Connector	BNC
Input impedance	75 $\Omega$
Minimum ASI level (Vpp)	100 mV

## Output ports

Connector	BNC
Impedance	75 $\Omega$
Power level	Conforms with EN50083-9

## Test ports (at front panel)

Connector	BNC
Impedance	75 $\Omega$
Power level	Conforms with EN50083-9

## Operating environment

Power supply	85 V to 264 V AC
Frequency range	47 Hz to 63 Hz
Operating temperature	-5 °C to +50 °C
Altitude	3500 m
Dimensions (W x H x D)	19" x 1 HU x 590 mm (1 HU = 44.45 mm)
Weight	approx. 3 kg
Humidity	90% non-condensing

## Storage recommendations

Storage temperature	-10 °C to +70 °C
Relative humidity in storage location	10 to 80% at 50 °C

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