

Technical Specification

TT-micro[®] S855 HbbTV

Web-enabled twin sat receiver with HDTV and PVRready



Based on TT-micro[®] family

BASICS / BROADCAST

- Pay and Free TV HDTV DVB satellite receiver twin tuner, compliant to EN 302 307 and EN 300 421
- HD+ by ASTRA compliant
- 4 digit LED Display in Front panel
- Compact and elegant housing
- Common Interface CI/CI+ and smartcard reader behind lid
- HDMI 1.3 output
- MPEG-2 and MPEG-4 AVC/H.264 video decoding
- Video Decoding:
 - ISO/IEC 13818-2 (MPEG-2 Video) - MP@ML & MP@HL
 - ISO/IEC 14496-10 (MPEG-4/Part 10) - HP@4L
 - High Definition and Standard Definition: 1080i, 720p, 576i, 576p
- Audio Decoding:
 - ISO/IEC 13818-3 (MPEG-1/2, Layer 1, 2 & 3)
 - Dolby AC-3 pass-through and down-mix
- Audio and Video out via SCART
- Digital Audio out via optical and electrical S/PDIF
- Analogue Audio out (left/right) via RCA (Cinch)
- Update over the DVB satellite or USB

RF SPECIFICATION

- QPSK / 8PSK demodulation compliant to DVB satellite standard EN 302 307
- Frequency range: 950...2150 MHz
- Input RF level -25... -65 dBm
- Input connector: IEC F-type female
- Input termination: 75 Ω

For DVB-S

- Input connector: IEC60169-2 female
- SCPC/MCPC support 2 Msymbols/s to 45 Msymbols/s
- QPSK with supported rates 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Viterbi soft decoder rate 1/2
- outer Reed-Solomon decoder as per DVB-S system
- Up to 60 Mbps channel bit rate

For DVB-S2

- Broadcast profile
- SCPC/MCPC support 10 Msymbols/s to 30 Msymbols/s
- QPSK and 8PSK with supported rates 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- LDPC and BCH decoder as per DVB-S2 requirements
- Digital Nyquist root filter with 0.20, 0.25, 0.35 roll-off factors
- Up to 90 Mbps channel bit rate

HIGHLIGHTS

- Reception of free / unencrypted HD broadcasts
- Seamless integration in home networks to watch pictures and movies from your PC
- Access to internet based media content (HbbTV, YouTube, media centre "Mediathek", ...)
- Support of HD+ SmartTV portal (for use in Germany only)
- External recording via USB 2.0 (PVRready)
- Internet radio (powered by SHOUTcast™)
- Suitable for CI and CI+ modules
- HDTV videotext
- Picture viewer for JPEG files provided via USB storage

FRONT PANEL



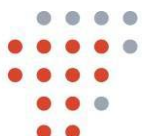
BACK PANEL



REMOTE CONTROL



AWARDS



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PVR FUNCTIONALITY

- Recording / playback via USB connected mass storage, e.g. USB-HDD or USB memory stick: record one channel while watching another
- Time shift ^{*1)}
- Start recording with one single key (instant recording)
- Easy to program recordings by means of EPG data
- Playback / Pause
- Fast forward / fast rewind ^{*1)}

^{*1)} PVR functionality may be restricted by Requirements of HD+ by ASTRA or by CI+

STB MODE FUNCTIONALITY

- DVB satellite TV and Radio reception
- HD+ by ASTRA compliant
- Pay- and Free-TV support
- Reception of HDTV and SDTV programs
- Simultaneous display of HD content on HDMI with HD resolution and on SCART with SD resolution
- Excellent Easy-To-Use graphical user interface
- Context referred help function
- Automatic and manual channel scan
- Separated program list for TV and Radio
- Up to 8 different favourite lists
- Up to 4000 programs storable
- Electronic Program Guide: present/following EPG, 7-Day-EPG
- Aspect ratio: 4:3, 16:9, 2.21:1 (PAL only)
- Wide Screen Signalling (WSS)
- One-Touch Timer setting in EPG
- Multi language support, e.g. German, English, Turkish, Russian, Italian, French, Spanish, Portuguese, Greek
- Integrated Tele text browser
- DVB and EBU subtitling support (ETS 300 743)

POWER SUPPLY

- Power supply (external) 100-240VAC/50Hz to 12VDC
- Power consumption in Standby less 0,5 W

ACCESSORIES

- Receiver (ca. 278x167x42 [mm])
- Power Supply Unit
- Universal Remote Control inclusive battery
- HDMI Standard[®] Cable
- Instruction manual: A5 format black/white

BASICS / BROADBAND

- Access to internet based media via Portal-Button (HD+ SmartTV, for use in Germany only)
- ANT Galio Web-Browser for HbbTV
- HbbTV compliant to ETSI regulations
- Quick access to broadcast-related content via Red-Button
- Internet Radio (powered by SHOUTcast[™])
- Interworking / data exchange with PC in local networks according to Upnp-AV

STANDARD + REGULATION COMPLIANCE

- DVB satellite standard EN 302 307 and EN 300 421
- MPEG2 Transport Stream support to ISO/IEC 13818-1
- DVB-Video/-Audio support to ISO/IEC 13818-2, -3
- MPEG-4 Video (AVC) support to ISO/IEC 14496-10
- Tele text in VBI according to ETS 300 472
- DVB subtitling according EN 300 743
- Safety and EMC regulations: EN 55013, EN 55020 and EN 60065

LNB CONTROL

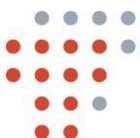
- Band selection: 22 KHz
- Polarity selection: 14/18 V
- Tone burst mode
- DiSEqC 1.0 for 4 satellite positions
- Unicable support
- LNB current support 2 x 400 mA max.

INPUT / OUTPUT SPECIFICATION

- RF In: Input connector: IEC F-type female (75 Ω)
- HDMI Digital Video and Audio out
- SCART (TV) out accordingly to EN 50049-1:
 - TV SCART out: CVBS, Y/C, RGB, Audio L/R
 - Switching signal: at PIN8 0/6/12 V; at PIN16 0/1-3 V
- Analogue Audio out (left/right) via RCA (Cinch)
- Digital Audio (PCM stereo, AC3) out via optical or electrical S/PDIF
- Common Interface (1 x CI+/CI)
- Smartcard Reader
- USB 2.0 connector
- RJ45 Ethernet connector

COLOUR / EAN CODE

- Black: 42 6006463 409 2



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