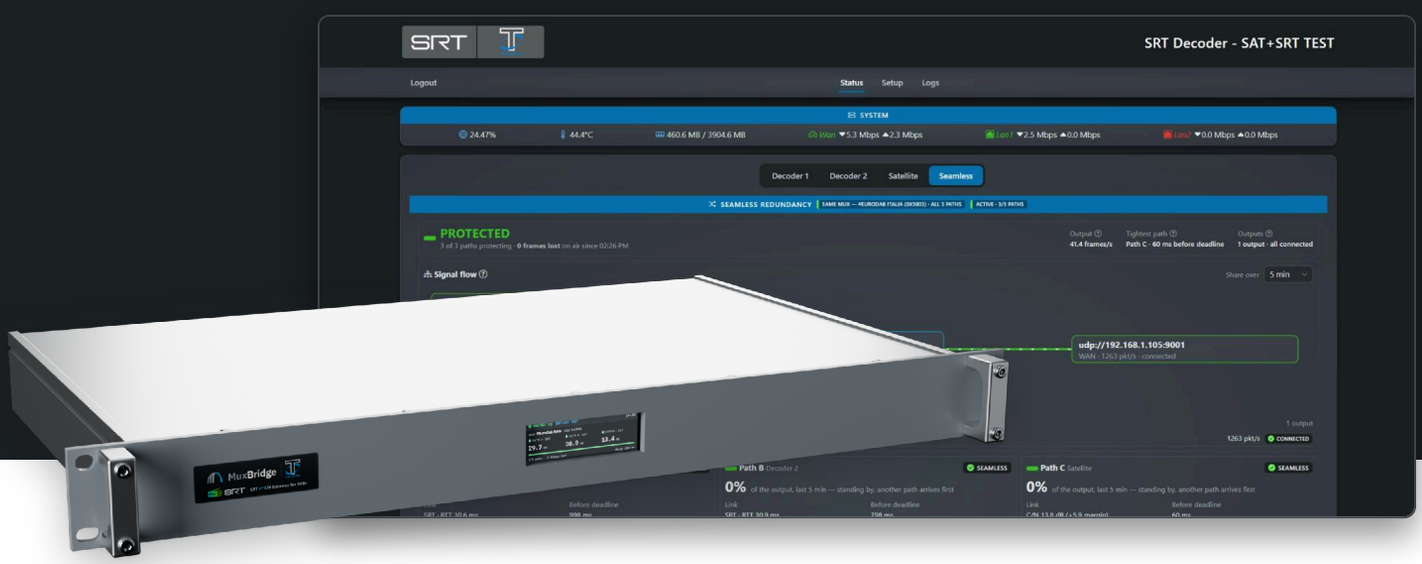
MuxBridge

dab+ SRT | SRT ⇄ EDI GATEWAY FOR DAB+

Your multiplex on air, without a gap.

Takes the mux in over SRT and feeds transmitters with EDI over UDP, or re-streams it as SRT. DVB-S/S2 satellite as an option.

DISCOVER MUXBRIDGE



SRT to EDI

Receives SRT streams and delivers them as EDI over UDP, ready for transmitters.

SRT out

Generates SRT streams from SRT, EDI or satellite inputs, for other sites.

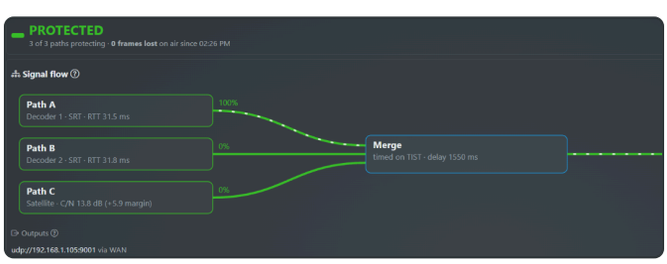
Seamless redundancy

Multiple paths merged frame by frame: one fills another's gaps.

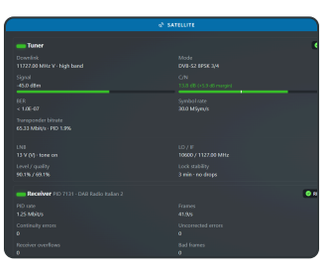
Optional satellite

Built-in DVB-S/S2 receiver as an extra reception path.

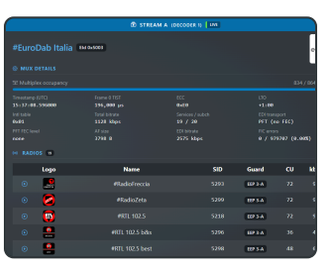
THE INTERFACE



Signal flow
Paths, merge and output, with each path's share



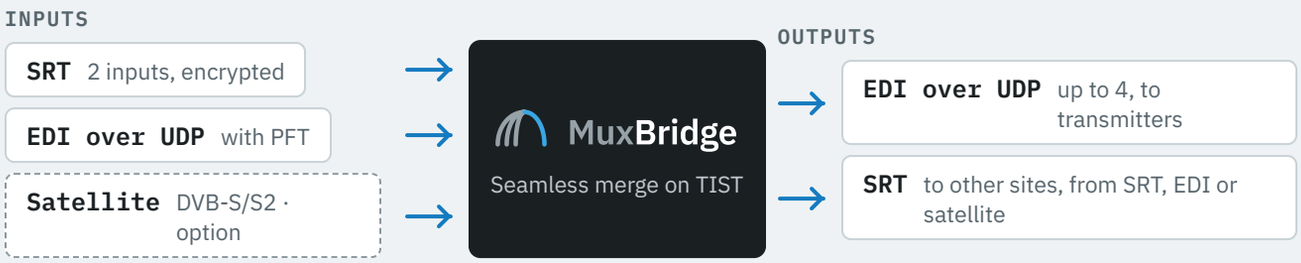
Satellite (option)
Lock, C/N, BER, LNB



Ensemble
Services, CU, bit rate, FIC

IDEAL FOR Broadcasters | Network operators | Transmitter sites | Integrators

HOW IT WORKS



INPUTS

SRT	2 independent SRT inputs; adjustable latency, passphrase encryption
EDI	EDI over UDP input, with PFT
SATELLITE	Optional built-in DVB-S/S2 receiver
STATISTICS	Received, lost, retransmitted and dropped packets; RTT, bit rate, buffer delay; charts

SATELLITE RECEPTION (OPTION)

STANDARDS	DVB-S and DVB-S2; QPSK, 8PSK, 16APSK, 32APSK; FEC 1/2 to 9/10, automatic pilot and roll-off
LNB	13/18 V polarization switching (linear and circular), 22 kHz tone, configurable local oscillators, DiSEqC ports A–D
MULTISTREAM	Stream ID (ISI) and PLS; service scan and data PID selection
ETI	One frame per payload unit, or ETI(NA) in an E1 stream
READINGS	Level, C/N with margin, BER, quality, lock stability, continuity errors

SEAMLESS REDUNDANCY

PATHS	Up to three carrying the same ensemble: two SRT and the satellite
MERGE	Frame by frame on TIST, fixed or adaptive delay; each gap filled by the first path available
STATUS	Output share per path, margin before deadline, late and lost frames, history up to 7 days

OUTPUTS

EDI	Up to 4 EDI over UDP outputs to transmitters; PFT with FEC level 0–5
SRT	SRT stream generation from SRT, EDI or satellite inputs
NETWORK	Output on WAN, LAN1 or LAN2; changes applied without restart

DAB DECODING

ENSEMBLE	EId, ECC, LTO, time, occupancy in CU, bit rate, EDI transport
SERVICES	SId, EEP protection, CU, kbps, logos; service playback
ERRORS	FIC, continuity, bad frames

MONITORING AND LOG

SYSTEM	CPU, temperature, memory, traffic per port
EVENTS	Per-source event log with filters, search and live view; logins recorded
EXPORT	CSV and JSON

HARDWARE

FORM FACTOR	19″ 1U rack, 482.6 × 44 mm, RAL 7046 front panel
DISPLAY	2.79″ front panel, 428 × 142 px; path status
SATELLITE INPUT	F connector, 75 Ω, LNB power (with the option)
NETWORK	3 Ethernet ports: WAN, LAN1, LAN2
POWER SUPPLY	100–240 V AC, or 12 V DC barrel jack
WEIGHT	Approx. 3 kg

Telantel S.r.l. | Designed and made in Italy

Via Primo Maggio 16 · 60131 Ancona (AN) · Italy

WEB www.telantel.com PHONE +39 071 2862616

E-MAIL info@telantel.it SUPPORT support@telantel.it

Specifications are subject to change without notice.