

TASSTA BRIDGE TO HYTERA™ DMR

Professional middleware solution interconnecting HYTERA™ DMR with TASSTA cost-efficient and easily expandable application to extend a radio solution.



BENEFITS:

T.Bridge provides a middleware solution to help businesses to overcome the challenges of integration by interconnecting HYTERA™ DMR with TASSTA's features. The T.Bridge application is based on middleware technology that securely connects the enterprise. Easy-to-use and easy-to-scale. T.Bridge is designed to integrate TASSTA with a DMR radio network over voice (group and individual calls) and message communication. Furthermore, it is created as a supplementary part of T.Rodon's Command and Control Centre Solution.

Flexibility

T.Bridge will extend the flexibility of your network. You can connect two different PMR systems (e.g. TETRA and MOROBRO). On the other hand, TASSTA can connect users who are actually working outside of your coverage and that way increase your range. Users connected by TASSTA have a choice in choosing their own device - smartphones, tablets or desktops - across the operating systems including iOS, Android and Windows.

Profitability

T.Bridge is a perfect extension to HYTERA™ DMR. It gives profitable advantage to keep the radios and add new communication end points from any corner of the world.

Compatibility

T.Bridge is a middleware solution connecting PMR networks with each other over an API interface and expand the DMR network with TASSTA. T.Bridge concept keeps the idea to provide users with vendor independence.

Scalability

There is no limitation to expand an existing DMR solution. Employing T.Bridge you are able to connect another DMR or TASSTA network to an existing one. Adding other resources can expand your system as desired – anytime and everywhere.

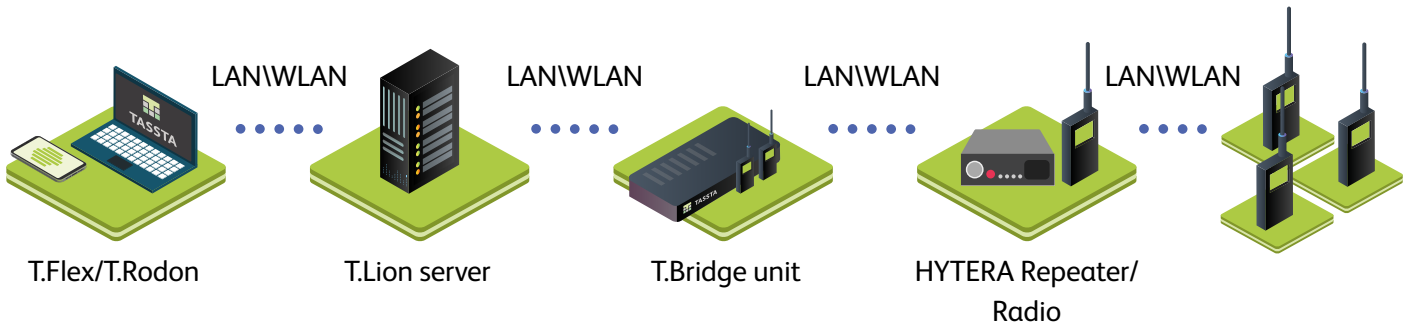
Hardware

T.Bridge solution is optionally accomplished with the Hardware unit.

- Case: aluminium & dust-proof
- Interfaces on rear side: 1 x VGA, 2 x Gigabit-LAN, 4 x serial, 2 x USB 2.0
- Power: Input Voltage 100-240 VAC (47...63 Hz)
- Operating temperature: 0 °C to +60 °C
- Weight: 1,25 kg
- Dimensions (HxWxD): 21x5,5x12,5 cm



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FUNCTIONALITY:

Group call voice communication-with radio terminals from TASSTA clients.	GPS positioning and presentation of the radio terminal of the TASSTA clients map.	Registration status and presentation of the radio terminals in the TASSTA clients user list per channel list.
Signaling presentation, while parties are talking.	Radio Terminal registration status (RRS).	Offline request sent by terminal before shutdown (RRS).
Location Report status from terminal (LP).	Terminal TX status (RCP).	TASSTA reports repeater when it is in transmitting mode (RCP).

FEATURES:

Group Call	Voice communication in group. One of the main features supported by any T.Bridge configuration.
Individual Call*	Individual voice communication. One-to-one simplex call.
Individual Message*/ Group Messages	The feature allows to send/receive messages. T.Bridge handles all the routine to route messages between DMR and TASSTA Networks: to send/receive the messages between DMR networks as well as to send/receive messages from TASSTA to DMR and vice versa.
GPS tracking	This feature provides an opportunity to obtain GPS coordinates from DMR terminals and TASSTA Clients. The GPS data can be displayed on the TASSTA Desktop Client map or routed to specified interfaces.
Intelligent hub	The HYTERA™ DMR networks can be interconnected to each other via the TASSTA bridge application even from different corners of the world.
API interface to HYTERA™ DMR	T.Bridge is connected to HYTERA™ DMR radio infrastructure via API interface. The features and functions of T.Bridge are defined in the scope of the according DMR interface and its possible functionality.
Different Frequency Bands	T.Bridge is not limited by frequency band. It fully depends on radio network infrastructure.

* Individual call and message is supported in Hytera from TASSTA to radio

CONFIGURATION:

Depending on the customer requirements T.Bridge can have several configurations:

Bridge Configuration	Description	On request:
Digital-TASSTA	Interconnection between TASSTA and Digital Network	Analog-TASSTA
Digital-Digital	Interconnection between two or more Digital Networks	Analog-Analog
Digital-TASSTA-Digital	Interconnection between two or more Digital Networks and a TASSTA Network	Analog-Digital Analog-TASSTA-Digital