



TASSTA BRIDGE TO HYTERA™ DMR

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



T.BRIDGE: BENEFITS AND KEY FEATURES

T.BRIDGE provides a middleware solution to help businesses to overcome the challenges of integration by interconnecting HYTERA™ DMR with TASSTA's features. 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 systems. 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 end-devices (Smartphones, Tablets, Desktops).

■ 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.

■ 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.

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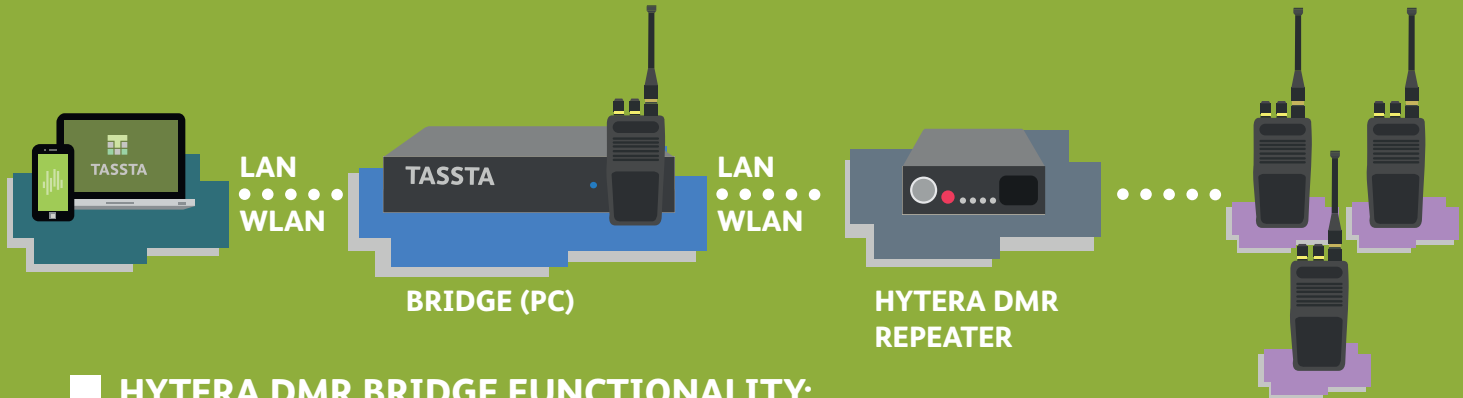
■ HARDWARE

T.BRIDGE solution is 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)	21 cm x 5,5 cm x 12,6 cm



■ HYTERA DMR BRIDGE FUNCTIONALITY:

GROUP CALL VOICE COMMUNICATION WITH RADIO TERMINALS FROM TASSTA CLIENTS

GPS POSITIONING AND PRESENTATION OF THE RADIO TERMINAL ON 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

1. Radio Terminal registration status (RRS).
2. Offline request sent by terminal before shutdown (RRS).
3. Location Report status from terminal (LP).
4. Emergency Location Report (LP).
5. Channel changes (SM).
6. Terminal TX status (RCP).
7. 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.
Different Frequency Bands	T.BRIDGE is not limited by frequency band. It fully depends on radio network infrastructure.

* UNDER DEVELOPMENT

■ CONFIGURATION

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

Bridge Configuration	Description
Digital-TASSTA	Interconnection between TASSTA and Digital Network
Digital-Digital	Interconnection between two or more Digital Networks
Digital-TASSTA-Digital	Interconnection between two or more Digital Networks and a TASSTA Network

On request:
 Analog-TASSTA,
 Analog-Analog,
 Analog-Digital,
 Analog-TASSTA-Digital

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