

ICOM RC-FS10 API

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Supported device types and versions

The *ICOM RC-FS10 API* protocol is implemented in the D2000 using a set of external functions implemented by the *d2rcfs10.dll* library. These external functions are used in ESL scripts and allow the integration of ICOM transmitter functionality into D2000 applications:

- Making and receiving individual/group calls (using a microphone built into the PC as well as using an external microphone [SM-26](#) with PTT button)
- Sending and receiving text messages
- Receiving of statuses, active status requests, sending statuses
- Receiving messages with GPS data
- Stun/revive (commands to temporarily disable hardware transmitters)
- Kill (command to permanently disable hardware transmitters)

Functionality was verified in multisite trunking mode against [ICOM IC-FR500](#) and [ICOM IC-FR5300](#) repeaters.

Processing of messages from repeaters, which are transmitted in SYSLOG format by UDP messages, was also implemented. Reception is realized using [Generic User Protocol](#), parsing in ESL script.

Note: RC-FS10 API requires external module [CT-24](#) (Digital Voice Converter & HW key) for functionality. The D2000 Event must be 32-bit (since the RC-FS10 API is only available as a 32-bit DLL).

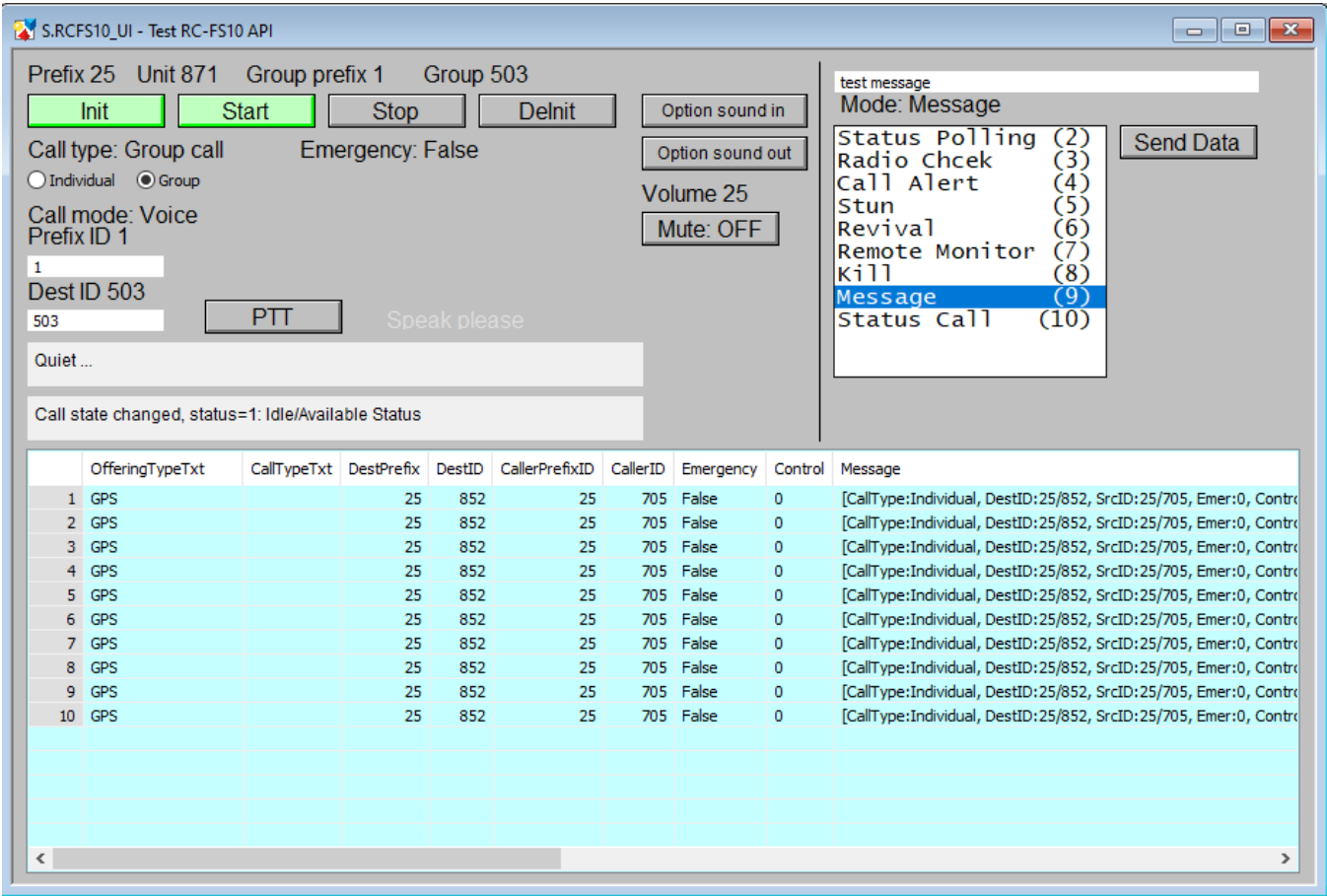


Figure: test scheme using RC-FS10 API

Literature

- [ICOM RC-FS10 API](#)
- [IDAS Remote Communicator RC-FS10](#)

Document revisions

- Ver. 1.0 - May 9, 2022 - Document creation.



Related pages:

[Communication protocols](#)