

QSP mails forwarding with Multipsk (4.18 or more) in ALE and ALE400

Introduction

This document explains, through snapshots of Multipsk screen with indications to the « how to operate », how to transmit a QSP mail to a « QSP mails Server » and how to recover ones mails from the « QSP mails Server ». This system can be used in ALE (called « 141A » in Multipsk) and ALE400 modes, ARQ FAE sub-mode.

It is based on ALE400 and applicable to ALE (except that in ALE, there is no need to manage the Slave/Master mode, the AFC and the RS ID detection).

Keep in mind that the basic ARQ FAE functions are described in : [ARQ_FAE_in_141A_and_ALE400_easy_with_Multipsk.pdf](#)

The standard use of the ARQ FAE beacon is described in : http://f6cte.free.fr/The_ARQ_FAE_beacon_easy_with_Multipsk.pdf

The « mail Server » is an option of the ARQ FAE beacon. However, the « mail Server » is not necessarily a beacon, but it is judicious to take profit of the beacon to broadcast the call signs of the Hams having to recover their own mails.

Notes about the help in Multipsk:

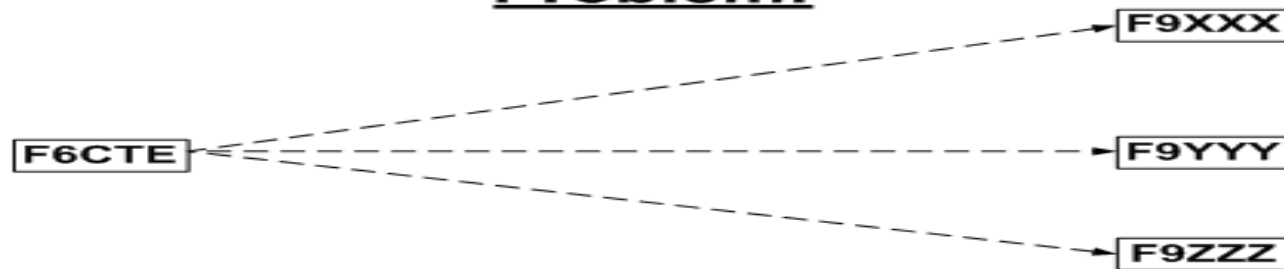
- To bring up the text help (contextual one), click on the right button of the mouse, with the focus over the mode button "ALE400", for example).
- Also use the button hints (wait a fraction of second over a button).

Differences between a direct mail and a QSP mail (indirect)

- A mail is direct if you can transmit it directly to the final addressee: A -->B.
- If you can't transmit the mail directly because the final addressee can't be directly reached due to the link conditions, the mail can be forwarded by the connected station, which acts as a "QSP mails Server": A-->C (mails Server)-->B. For this, you must use a QSP mail.

In the following figure, the problem and its solution are exposed.

Problem:



F6CTE is a QRP station which can't transmit directly its messages to F9XXX, F9YYY and F9ZZZ

Solution:



F9SER is a powerful « QSP-mails server »

F6CTE transmits its QSP-mail(s) which addressees are F9XXX, F9YYY and F9ZZZ to the **F9SER** mail box (either 3 mails with one addressee each or one sole mail with three addressees)



F9XXX recovers the F6CTE mail from the **F9SER** mail box

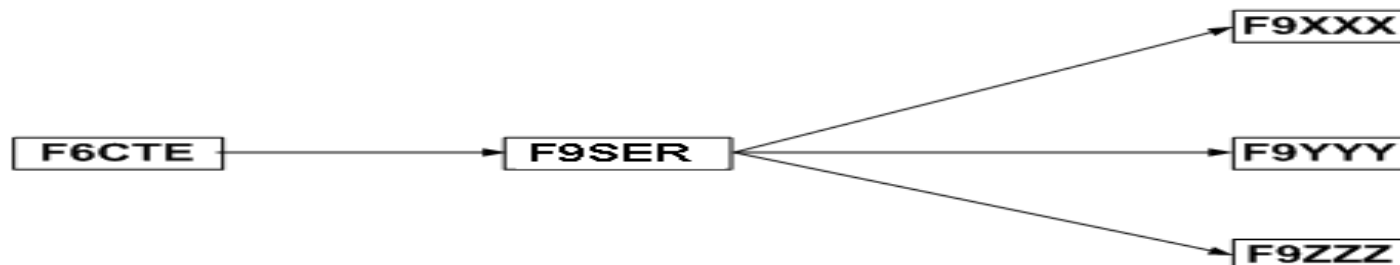


F9YYY recovers the F6CTE mail from the **F9SER** mail box



F9ZZZ recovers the F6CTE mail from the **F9SER** mail box

To abstract:



Preparation to send a QSP mail to the « QSP mails Server » F9SER

The screenshot shows the RX/TX screen of a radio software interface. The title bar reads "RX/TX screen Patrick LINDECKER (F6CTE) 4, avenue du Square BURES-SUR-YVETTE 91440 FRANCE". The interface includes several panels and buttons:

- Top Panel:** Configuration, Adjustments, Options, Tools, PSKReporter, Panoramic, Help.
- Mode/Function Panel:** TCP/IP, Multidem, Transceiver, Country/Loc, World, QSO, Mail, Tune, Beacon, ID, CPU, Level: 5%.
- Search/Log Panel:** Where?, Number?, Search, Look-up DXK, DXView, Pathfinder, Where?, -->PSKReporter, Options are in the logbook.
- Log Table:** Call Name, Freq Mhz, Mode, Ur, RST, My, RST, R, S, Locator, QTH, Notes, Clear, Logbook, Record.
- Message ID Panel:** MESSAGEID TX, Call ID, RS ID, Video ID, QRGs, RX, TX: ALE400, MODE, RX: ALE400, Aux. functions.
- Frequency Panel:** TX frequency, RX frequency, Fr. dif, 1625.0 Hz, 1625.0 Hz, 0.0 Hz, His: B?? S??, AFC, Options.
- Control Panel:** Sounding (TW), Scan, Call, Answer to FRM, Stop, End, QRZ.
- Mode Selection Panel:** ARQ, FAE, CQ, End, Mail, Unproto, Answer, PSE, LQA.
- Mode List Panel:** BPSK31, QPSK31, PSKAM10, PACKET+APRS, THROBX, PAX/PAX2, FM HELL, Filters, Amateur modes.
- Mode List Panel:** 63, 125, 250, FEC31, PSK10, MT63, CHIP, PSK63F, DIGISSTV, CW/CCW, QRSS, Amtor, ARQ, Pactor1, DominoF, MFSK16+PIC, MFSK8, DominoEX, J, Push on "ALE400", itia, FELD HELL, HELL 8U, RTTYM, ALE400, 141A (ALE), HF FAX, SSTV.

An "Aux. functions" window is open in the foreground, titled "Auxiliary functions (AMD, DTM, DBM and ARQ FAE messages and answer to open net calls)". It contains the following elements:

- Management of calls:** Add this call to the list: Call, See the file, Lists up-to-date.
- AMD message to send:** Sequences 1 to 24 (+macros) can be used to fill these ALE editors. Send.
- DTM or DBM message to send:** DTM, DBM, ARQ. Send, Stop, BBSLINK.
- Open nets on which you want an automatic answer:** QRZ, HFL, Mail (RX/TX), Erase.
- Selective call in ARQ FAE:** Call-> F9SER, End, From: , To: .

Annotations with arrows point to the following elements:

- "Push on 'Aux. functions'" points to the "Aux. functions" button in the main interface.
- "Check 'Slave'" points to the "Slave" radio button in the Mode Selection panel.
- "Push on 'ARQ FAE'" points to the "ARQ FAE" button in the Mode Selection panel.
- "Push on 'AFC'" points to the "AFC" button in the Frequency panel.
- "'Aux. functions' window" points to the title bar of the auxiliary functions window.
- "Selection of the 'QSP mails Server' station" points to the "F9SER" dropdown menu in the "Management of calls" section of the auxiliary functions window.

Transmission of the QSP mail to the « QSP mails Server » (called also « mails Server ») F9SER

The screenshot displays the Multipsk software interface with several key components and annotations:

- Header:** RX/TX screen Patrick LINDECKER (F6CTE) 4, avenue du Square BURES-SUR-YVETTE 91440 FRANCE
- Menu Bar:** Duration Adjustments Options Tools PSKReporter Panoramic Help
- Call Management:** Multidem Transceiver Country/Loc World QSO Mail Tune Beacon ID CPU Level: 39 %
- Auxiliary Functions:** Auxiliary functions (AMD, DTM, DBM and ARQ FAE messages and answer to open net calls)
- Management of calls:** Add this call to the list: F9SER See the file Lists up-to-date
- AMD message to send:** Sequences 1 to 24 (+macros) can be used to fill these ALE editors.
- DTM or DBM message to send:** DTM DBM ARQ
- Open nets on which you want an automatic answer:** QRZ HFL Mail (RX/TX)
- Transmission of the message in progress:** From: F6CTE To: F9SER
- Indication of the rest of time before the end of transmission:** Interval (s) 30
- APRS RX authorized:** Direct 3 addresses
- Push "Send" to transmit the QSP mail:** Send button
- QSP mail:** Addressee(s) F9XXX=F9YYY=F9ZZZ
- Subject:** Message to F9XXX, F9YYY and F9ZZZ
- ARQ FAE Message:** Responder 73 Patrick
- ARQ FAE SMTP server (IP: 127.0.0.1/Port 25):** Email client Disconnection
- To authorize Multipsk (as a SMTP server) to import the emails from Outlook Express (or equivalent), click on the "Email client" button.**
- Buttons:** Reset transmission Mails automatic handling Re-TX mails in failure

Recovery by F9XXX of his mails from the « mails Server » F9SER

The screenshot displays a software interface for mail recovery. At the top, there are buttons for 'Send', 'Stop', and 'BBSLINK'. Below this, a section titled 'Open nets on which you want an automatic answer:' includes buttons for 'QRZ', 'HFL', and 'Mail (RX/TX)'. A status bar indicates 'The "mail Server" is 1 QSP mail(s) to recover.' with an 'Erase' button. The 'Mails Server' window shows 'From: F9XXX' and 'To: F9SER'. Below this, there are buttons for 'Mails Server', 'Start-->', and 'End', along with an 'Interval (s)' set to 30. A status bar shows 'ARQ FAE beacon Off' and 'Time before end of recovery'. A progress indicator shows 'RX 17 % -> 0 mn 45 s more'. A status bar indicates 'Authorized', 'Direct mail', and 'Link established'. A callout box points to the 'Own mail recovery' button with the text 'Push on "Own mail recovery to recover your(s) mail(s)"'. Other buttons include 'Reset link or connection attempt', 'QSP mail', 'Addressee(s)', 'Send', and 'Subject'.

Preparation of the « mails Server » and transmission

The screenshot shows the RX/TX software interface with the 'Auxiliary functions' window open. The main window displays various settings and a list of modes. The 'Auxiliary functions' window is annotated with several key actions:

- Check Master:** Points to the 'Mode Master' radio button.
- Push on "AFC":** Points to the 'AFC' button.
- Mails Server transmitting:** Points to the 'Mail TX' button.
- Beacon in "mails Server":** Points to the 'Beacon message transmission...' section.
- Start the beacon:** Points to the 'Start-->' button.
- Interval between automatic transmission:** Points to the 'Interval (s)' field set to 30.

The 'Auxiliary functions' window contains the following fields and controls:

- Management of calls:** Includes 'Add this call to the list', 'Call', 'See the file', and 'Lists up-to-date' buttons.
- AMD message to send:** A text area for sending messages, with 'Sequences 1 to 24 (+macros) can be used to fill these ALE editors.' and a 'Send' button.
- DTM or DBM message to send:** Includes 'DTM', 'DBM', and 'ARQ' buttons, along with 'Send', 'Stop', and 'BBSLINK' buttons.
- Open nets on which you want an automatic answer:** Includes 'QRZ', 'HFL', and 'Mail (RX/TX)' buttons.
- Beacon message transmission...:** Includes 'Beacon in "mails Server"' and 'ase' buttons.
- Selective call in ARQ FAE:** Includes 'Call-->' (set to 1X2YZ), 'End', and 'From:' fields.
- ARQ FAE beacon:** Includes an 'On' indicator, 'GE! Welcome to the ARQ FAE F', 'Mails Server', 'Start-->', 'End', and 'Interval (s)' (set to 30) fields.
- APRS position transmission in FAE mode:** Includes 'APRS RX authorized', 'APRS transmission', and 'APRS window' buttons.

The background window shows the 'Mail' tab selected, with a list of modes and a 'Mail TX' button highlighted in red. The 'TX frequency' is set to 1625.0 Hz and the 'RX frequency' is 1625.2 Hz.

Information given by the « mails Server » beacon

CQkmm	TUNE	COM	CALL	NORMAN	3 NORMANDI	Norm		
Set 2	Sets list	File	Macros	Clear	Repeat UTC	NORMANDIE	Louise	Angl

The "mails Server" F9SER indicates that F9YYY and F9ZZZ have mail(s) to recover

F9SER F9SER Mail for: F9YYY F9ZZZ
F9SER F9SER Mail for: F9YYY F9ZZZ