FT-991(A) Memory by F6ECN

Storing stations quickly

Version II for Windows 7, 8, 8.1, 10/32 and 64 bits

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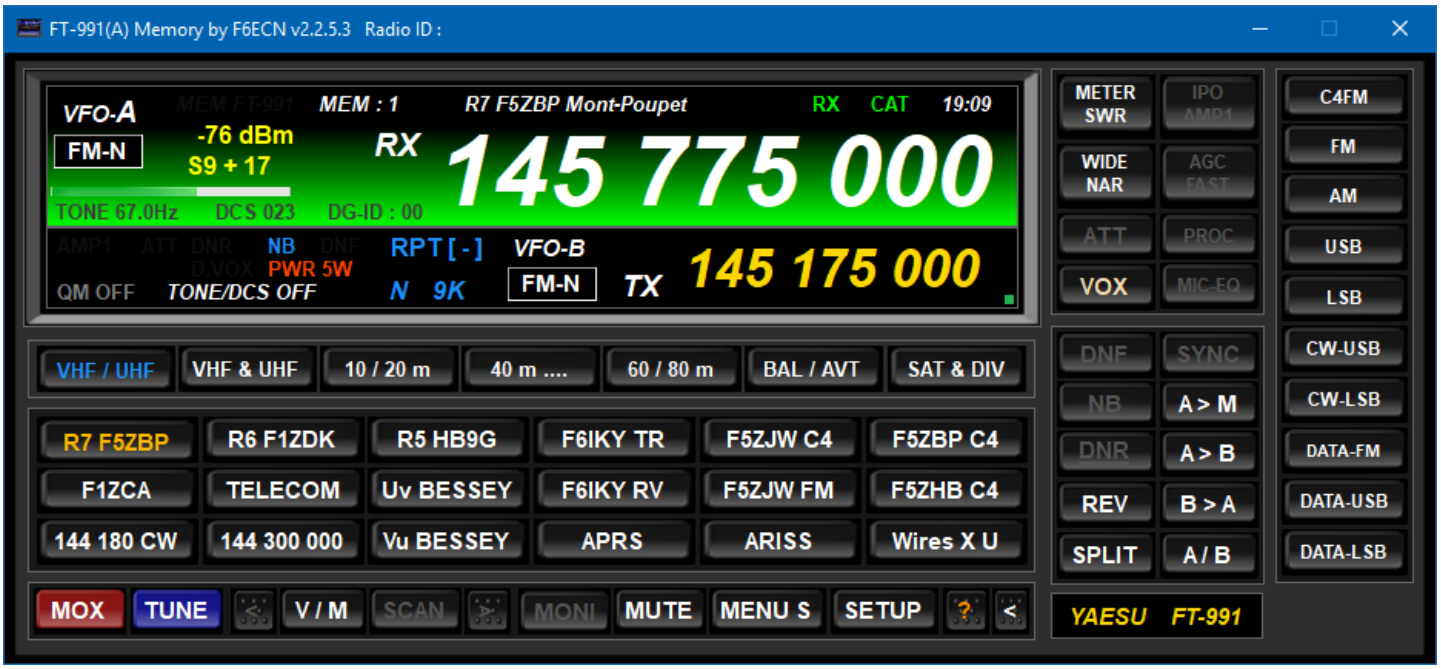
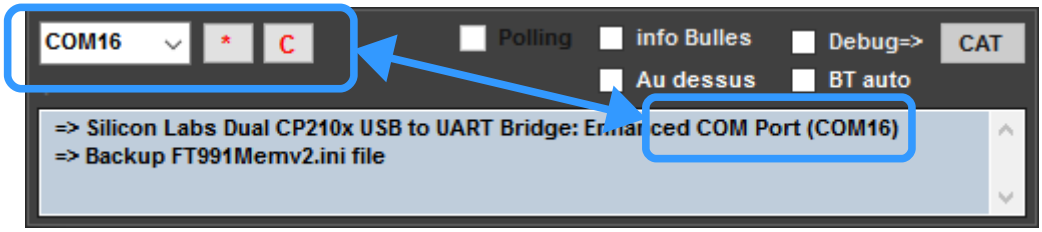


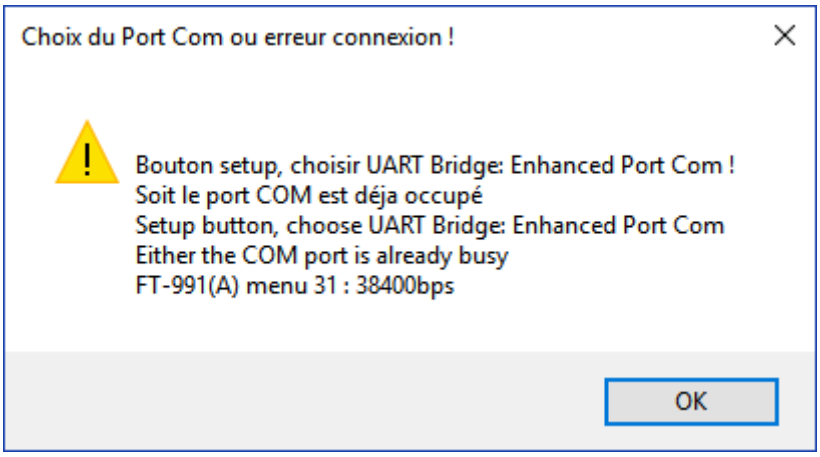

Display dBm and point S (experimental)
Left click Display local time or GMT
FT-991 Memory by F6ECN v2.1.16.50
VFO-A
MEM : 5
F5ZJW C4 FM Locator JN26QL
RX
CAT
16:36
C4FM
-89 dBm
S9 + 5
439 825 000
SPLIT
VFO-B
C4FM
TX
430 425 000
QM OFF
TONE/DCS OFF
12.5 Khz
METER SWR
VOX
VHF / UHF
VHF & UHF
Band 20m
Band 40m
Band 80m
BAL / AVT
SAT & DIV
F5ZJW C4
F5ZJW FM
SAUSSY C4
TELECOM
BESSEY
ARISS
A > M
M > A
A > B
B > A
REV
SPLIT
A / B
YAESU FT-991
Right-click a button
Right click button
VFO A :
Left click opening of an input window
Right click background color selection
Mouse Wheel Changing Frequency
Bouton groupe
N° Nom des groupes
1 VHF / UHF
2 VHF & UHF
3 Band 20m
4 Band 40m
5 Band 80m
6 BAL / AVT
7 SAT & DIV
OK
Annuler
Backup channel 5
Name of Button
Comment
F5ZJW C4
FM Locator JN26QL
OK
Cancel
Delete
Storing in the FT-991
Enter frequency VFO A, VFO B, Mode ...
Mode
FM
FM-N
C4FM
DATA-FM
LSB
DATA-LSB
USB
DATA-USB
Shift
Simplex
Moins
Plus
SPLIT
Squelch
10
VFO - A
430575000
VFO - B
439975000
TONE/DCS
TONE/DCS OFF
CTCSS ENC/DEC
CTCSS ENC
DCS ENC/DEC
DCS ENC
TONE
77.0Hz
DCS
132
Key N et Num . = 000
Shift 28MHz 0,100 MHz
Shift 50MHz 1,000 MHz
Shift VHF 0,600 MHz
Shift UHF 1,600 MHz
VFO-A TO MEMORY CHANNEL
N° MEM FT-991 : 1 to 99 =>
10
Name MEM FT-991 12 crts max
F5ZJW
OK
Cancel

Menu 31 of FT-991(A) : **38400bps**

1. Selecting the COM port & connection:

Using the virtual COM port created during USB connection of the FT-991 transceiver, two ports are created.
1. Silicon Labs Dual CP210x USB to UART Bridge: **Enhanced** COM Port (COM xx) (It's the good one)
2. Silicon Labs Dual CP210x USB to UART Bridge: Standard COM Port (COM xx)

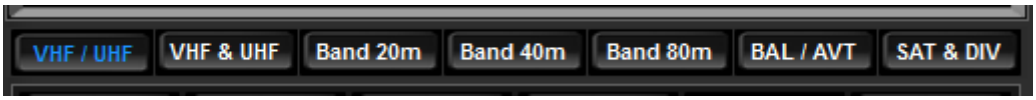


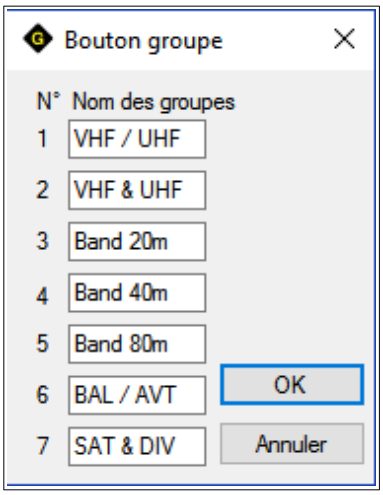


SETUP button select the corresponding **COM** port:
Silicon Labs Dual CP210x USB to UART Bridge: Enhanced COM Port (COM xx)
If an "HRI200 or SCU-17" is installed, there are several Silicon Labs com ports, choose the one corresponding to the FT-991 and click the C button, the connection is established with the FT-991 and the **CAT** icon on the main screen turns green indicating that the connection is OK.

The connection is subsequently automatic at the start of the application.

2. Titling memory group buttons :





Right-clicking a button opens a window that allows you to name the groups.

3. Storing the frequency on a button :

126 memories organized in 7 groups of 18 buttons
Storing frequencies VFO-A, VFO-B, MODE, SPLIT, SHIFT, LEVEL SQUELCH, CTCSS, TONE, DCS, DG-ID, POWER and MIC GAIN.
Store in a file and not in the FT-991!

Two storage modes.

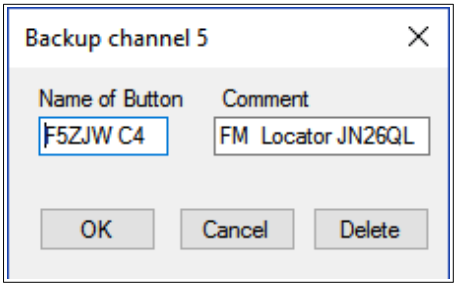
Click the "**QM ON**" or "**QM OFF**" label to switch **ON/OFF**.

a. QM ON

A simple right-click on a button memorizes 12 parameters, the frequency displayed on the FT-991 becomes the indication on the button (fast for contests for example)

b. QM OFF

Right click on a button memorizes 12 parameters, a window opens and allows to name the button with a comment or possibly erase the memory.

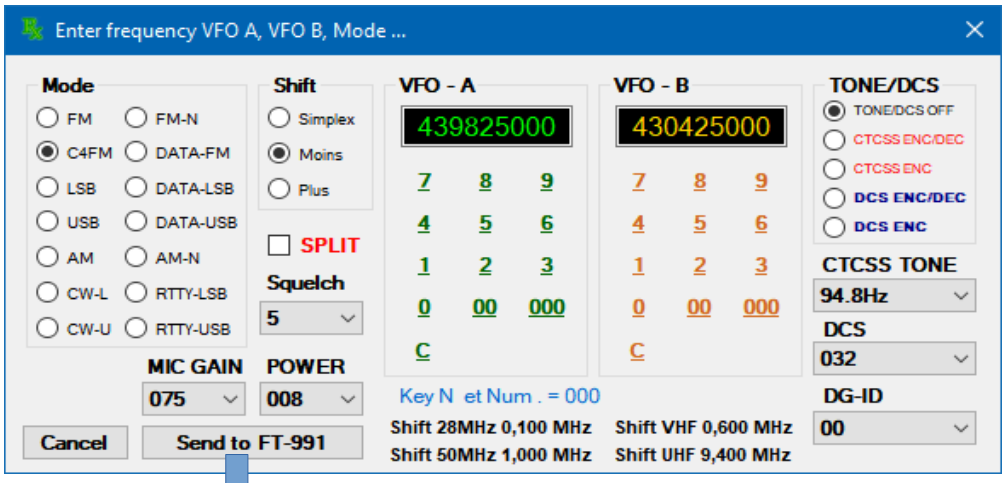


Right clicking a button already memorized is replaced by the new frequency.

4. Sorting buttons (SWAP)

Click on the first button to swap, press CTRL + S, the area flashes, select the second button, both buttons are inverted.
The SWAP can be carried out in different groups.

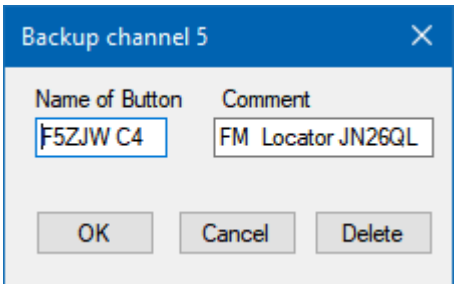
Entering and storing parameters on a button



Entering parameters from the window or directly from the FT-991

Right click on button storage data import from the FT-991

QM OFF



F5ZJW C4

OR

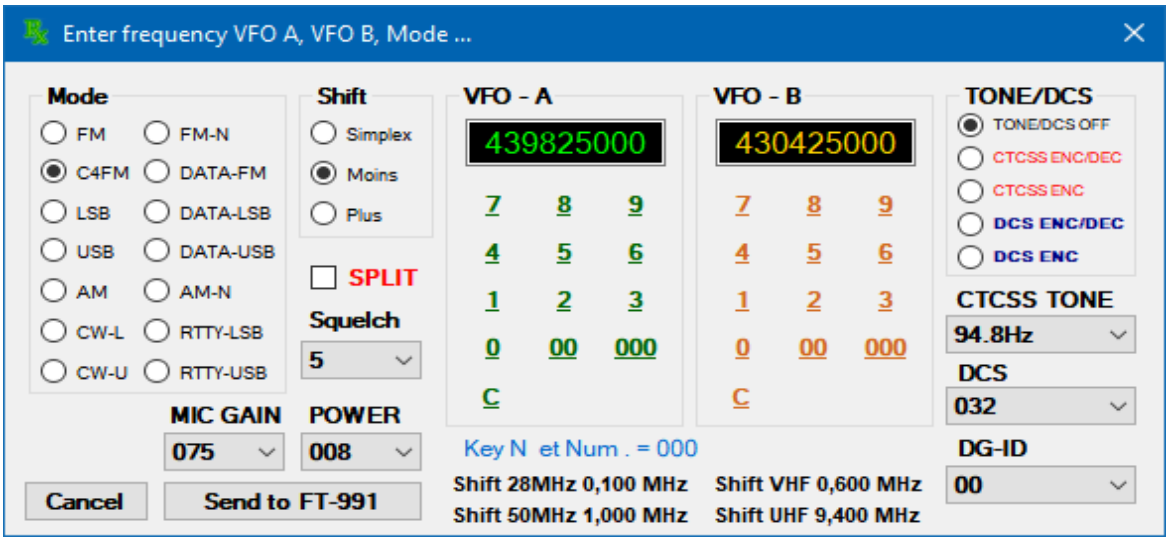
QM ON

VFO A

memorized parameters :
VFO A
VFO B
MODE
SHIFT
SPLIT
SQUELCH
CTCSS
TONE
DCS
DG-ID
POWER
MIC GAIN

5. Input of frequency VFO-A, VFO-B, mode, split, shift, CTCSS, DCS ...

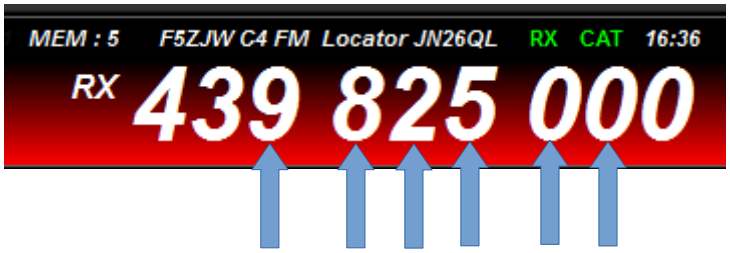
Left click on main display VFO-A or VFO-B opens an input window.



Frequency VFO-A
Frequency VFO-B
Mode (FM, C4FM, LSB, USB, AM, CW-L, CW-U ...) for VFO-A and VFO-B)
Shift (Simplex, Less, More)
Split for non-standard **shift** modes.
TONE/DCS OFF
CTCSS ENC/DEC (Choice of frequency on the drop-down menu **TONE)**
CTCSS ENC
DCS ENC/DEC (Choice of the code on the drop-down menu **DCS)**
DCS ENC
DG-ID
POWER
MIC GAIN
For the input of frequencie one can use either the numeric keypad of the computer (N and . = 000) Either the keyboards in the window for VFO-A and VFO-B.

OK validates data that is transmitted to the FT-991 but not stored.
For storage see **chapter 3**
Cancel to exit without changing.

6. Changing the frequency of the VFO-A with the mouse wheel.

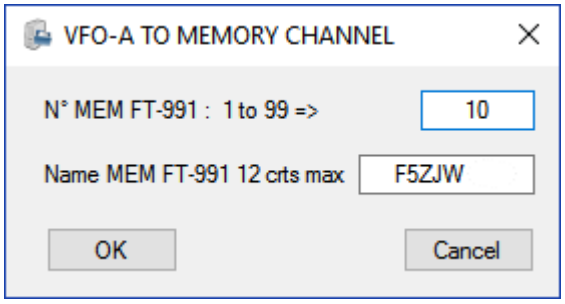


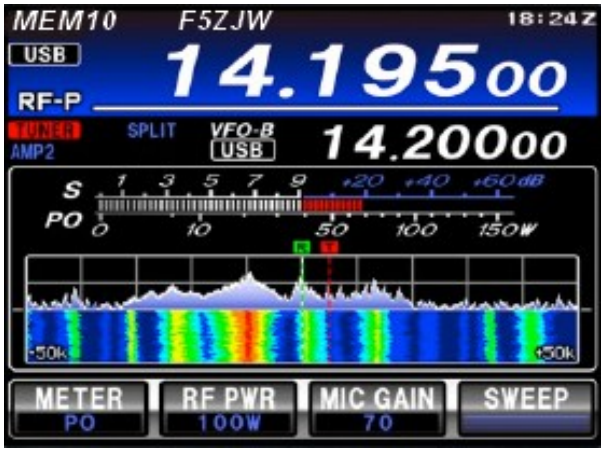
7. Storing in the memory of the FT-991 (A)

On the application, choose the button to be memorized, click the **A>M** button , the name of the button appears in the window below «editable up to 12 characters», this will be the channel label on the FT-991 (A), choose the number of memories and click OK, the frequency, mode shift, and so on are memorized, it's finished for simplex, shift less and more modes.

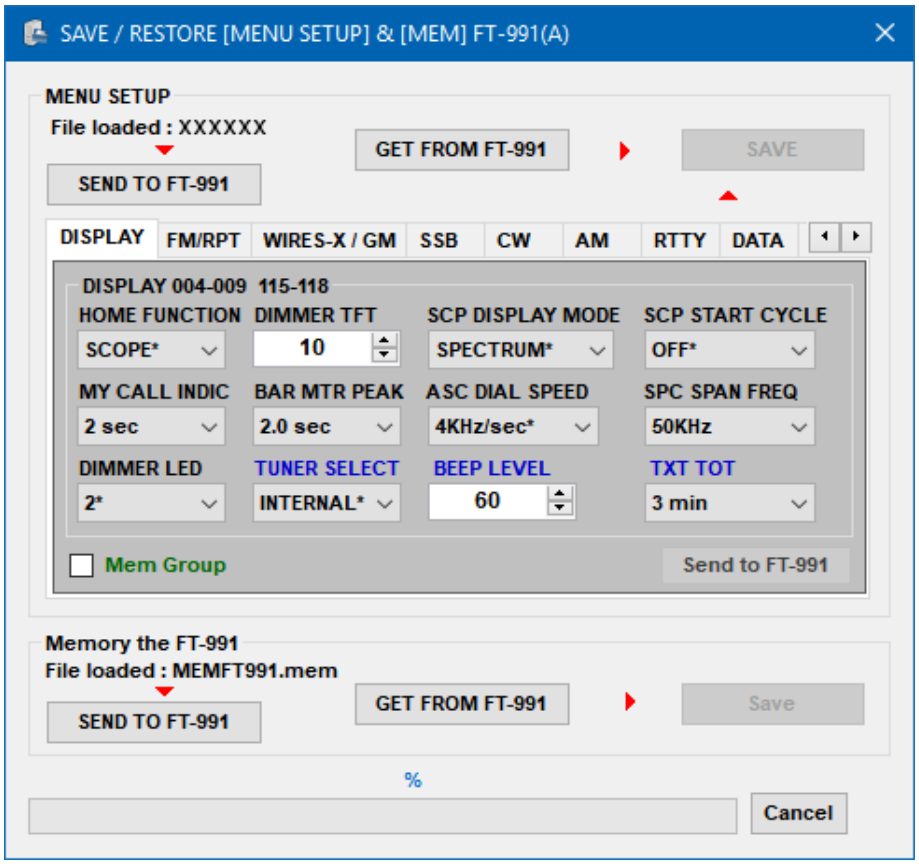
For the modes with **SPLIT** it is necessary more on the application in the order click on **A / B** then **SPLIT** "to transfer the frequency TX on the VFO-A and mode NORMAL".

On the **transceiver** briefly press the key **A> M**, then quickly in the order press and hold the **PTT** key of the microphone and the key **A> M** to the **double beep** of the FT-991 (A).





8. Saving / Restoring the SETUP MENU and memory of the FT-991 (A)



Before:

"GET FROM FT-991" then "SAVE", import of the SETUP from the transceiver.

The parameters can be modified from the menu: Send to FT-991 for each category "tabs", then SAVE to save to the file ...

a. Backup SETUP MENU :

Click the **MENU S** button
Click the **From FT-991** button (downloading data from the FT-991 (A)).
Then click on the **Save** button (file name = unique identification number in case there are several FT-991 (A)).

b. Restoration SETUP MENU :

After an update of the FT-991 (A) or a reset, Menu 31: 38400bps
Launch the FT-991 Memory application and click the **MENU S** button
When the window opens, the backup file is automatically loaded.
Then click on **TO FT-991** the file is transferred to the FT-991!

c. Memory backup of the FT-991 (A):

Click the **From FT-991** button (downloading data from the FT-991 (A)).
Then click the **Save** button (file name = MEMFT991.mem).

d. Restoring FT-991 (A) memory:

If a backup was performed the file is automatically loaded.
Click the button **TO FT-991** the memory file is transferred to the FT-991 (A)!

For memories with **SPLIT** you must enter the **VFO B** frequency manually (as in Chapter 7)

9. Display of measurements dBm and point S (experimental):

Click **dBm** to start the measurement

Frq < à 60 MHz S9 = -73 dBm
Frq > à 60 mHz S9 = -93 dBm

10. Button SETUP:

Info Bubbles checked: display of bubble info.
At the top checked: the FT-991 Memory window is always displayed at the top.
Choosing the COM Port button to connect and search COM port.

11. Memories of FT991(A) :

< M - , VFO / MEM , SCAN et M + > (FT991 (A) internal memories)

Some useful commands from the FT-991:

The keys with underlined text on a menu with right click

METER	(COMP, ALC, PO, SWR, IDD, VDD)
IPO	IPO, AMP1, AMP2
WIDE/NAR	Selecting the bandwidth
AGC	FAST, MID, SLOW, AUTO
ATT	ON/OFF
PROC	ON/OFF
VOX	ON/OFF
MIC-EQ	ON/OFF
DNF	ON/OFF Digital Notch Filter
A>M	VFO-A in memories
NB	ON/OFF FI noise suppressor
DNR	ON/OFF Digital Noise Reduction (1 to 15)
A > B	VFO A in VFO B
REV	Reverse for shift relays (less more)
B > A	VFO B in VFO A
SPLIT	ON / OFF
A / B	VFO A <> VFO B exchange for split modes
MOX	TX RX
V / M	VFO / memoirs
SCAN	Scanning of memories of the FT-991
<and>	Memories FT-991 more or less
MONI	monitor ON/OFF
MUTE	Audio ON / OFF

NEW	**TUNE**	TX mode **CW** for tuning antenna **5 watts**
	SWEEP	1 spectrum scan after 3 seconds each time a memory button is pressed **only for FT-991** the FT-991A has a real-time analyzer. Disable in SETUP.

Important for installation:

Program written in C # tested on Windows 7, 8, 8.1, 10 without problems on brand computers different, does not work under XP !

The framework must be up to date !