VOICE RECORDER FUNCTIONS   Section 7
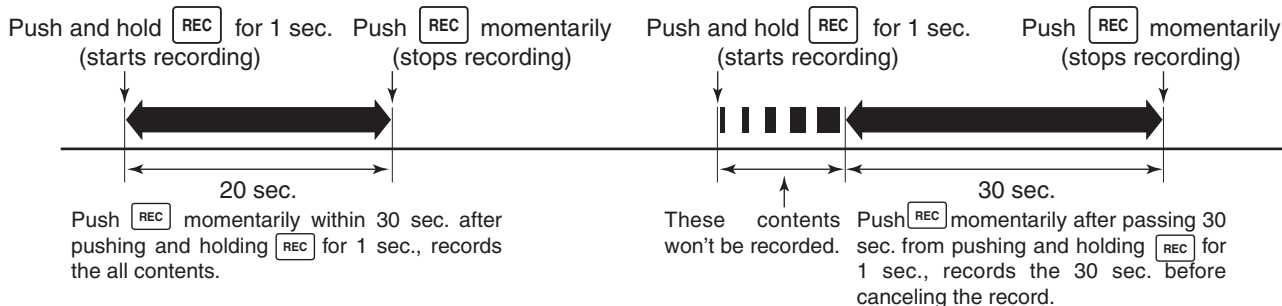
■ About digital voice recorder

The IC-7700 has digital voice memories, up to 4 messages for transmit, and up to 20 messages for receive.

A maximum message length of 30 sec. can be recorded into receive memory (total message length for all channels of up to 209 sec.) and a total message length of up to 99 sec. can be recorded in transmit memory.
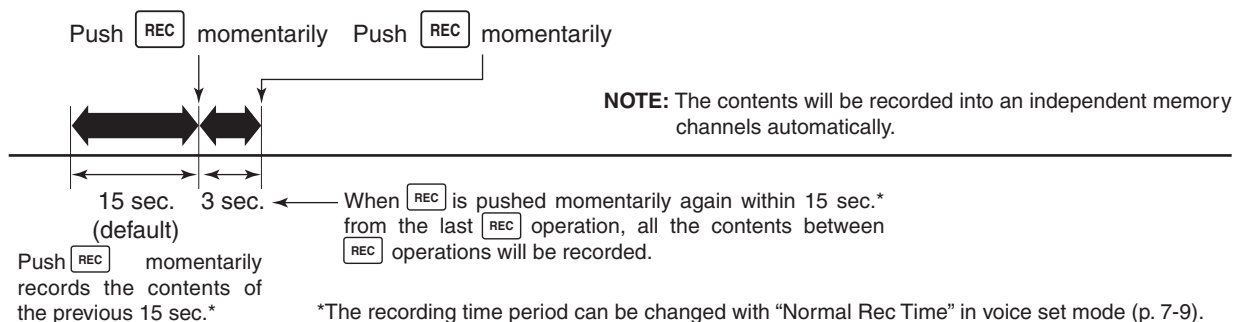
The transmit memory is very convenient for repeated CQ and exchange transmissions in contests, as well as when making repeated calls to DXpeditions.

① Select any mode.
② Push [VOICE] F-2 to display voice recorder screen.
③ Push EXIT/SET to display voice recorder menu.
④ Push [PLAY] F-1 or [MIC REC] F-2 to select the desired memory channel screen, then record audio or playback the contents as described below.
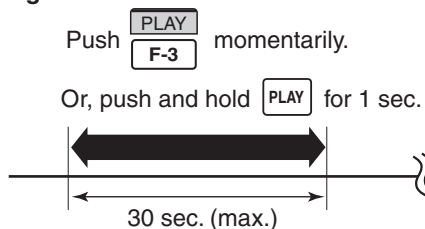⑤ Push EXIT/SET twice to exit voice recorder screen.

F-1   F-2   REC   PLAY   EXIT/SET

• **Example— When [REC] is pushed and held for 1sec.**

Push and hold REC for 1 sec. (starts recording)   Push REC momentarily (stops recording)

Push and hold REC for 1 sec. (starts recording)   Push REC momentarily (stops recording)

20 sec.

Push REC momentarily within 30 sec. after pushing and holding REC for 1 sec., records the all contents.

These contents won't be recorded.

30 sec.

Push REC momentarily after passing 30 sec. from pushing and holding REC for 1 sec., records the 30 sec. before canceling the record.

• **Example— When [REC] is pushed momentarily**

Push REC momentarily   Push REC momentarily

NOTE: The contents will be recorded into an independent memory channels automatically.

15 sec.   3 sec.
(default)

Push REC momentarily records the contents of the previous 15 sec.*

When REC is pushed momentarily again within 15 sec.* from the last REC operation, all the contents between REC operations will be recorded.

*The recording time period can be changed with "Normal Rec Time" in voice set mode (p. 7-9).

• **Playing back the all contents in a channel**

Push PLAY / F-3 momentarily.

Or, push and hold PLAY for 1 sec.

30 sec. (max.)

• **Playing back the end of 5 sec.* in a channel**

Push PLAY momentarily.

Not playing back   Play back (5 sec.; default)

*The playing back time period can be changed with "Short Play Time" in voice set mode (p. 7-9).
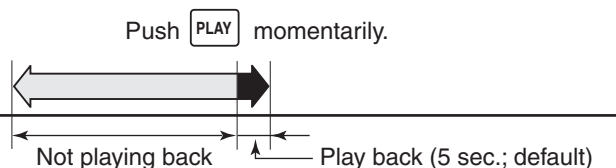
■ Recording a received audio

Up to 20 receive voice memories are available in the IC-7700. A total of 209 sec. of audio can be recorded in receive messages. However, the maximum recordable length into a single message is 30 sec.

This voice recorder records not only the received audio, but also the information such as set operating frequency, mode, and the recording time for your future reference.

◇ Basic recording
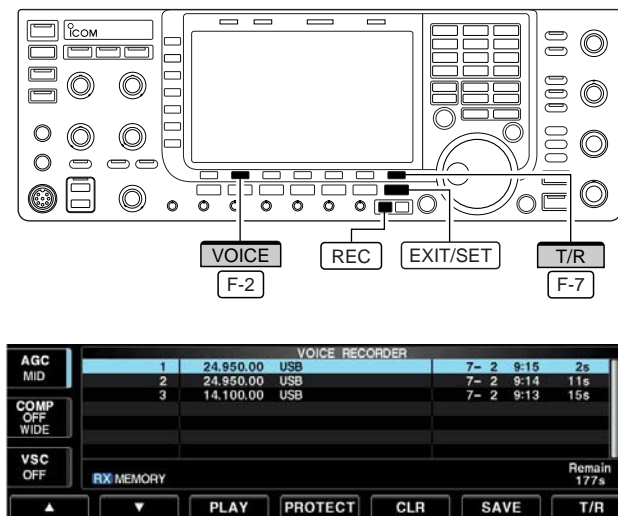
①Push EXIT/SET several times to close a multi-function screen, if necessary.

②Select the desired mode.

③Push [VOICE] F-2 to call up the voice recorder screen.
 • Previously selected screen, TX or RX memory, is displayed. If the TX memory channel (T1–T4) appears, push [T/R] F-7 to select RX memory channel.

④Push and hold REC for 1 sec. to start recording.
 • The operating frequency, mode and current time are programmed as the memory names automatically.
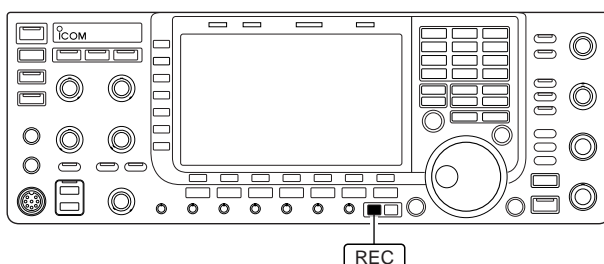
⑤Push REC momentarily to stop recording.

IMPORTANT!
Push REC to stop recording before, or when 30 sec. has elapsed from the start of recording.
The voice recorder memory records 30 sec. (max.) of audio before REC is pushed.
For example, when recording 40 sec. of audio, the first 10 sec. audio will be over-written with the last 10 sec., so that the total of audio recorded is only 30 sec.
When you record the 21st audio message, or when the total audio length exceeds 209 sec., the oldest recorded audio is automatically erased to make room for the new audio.

⑥Push EXIT/SET twice to exit the voice recorder screen.

NOTE: When transmit (or [PTT] is pushed) while recording, no audio will be recorded.
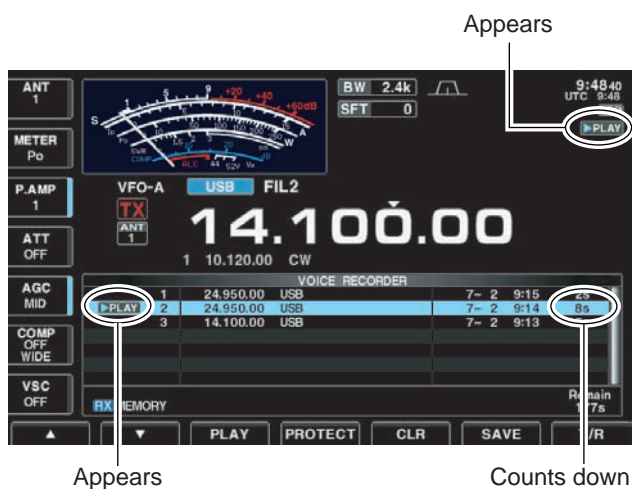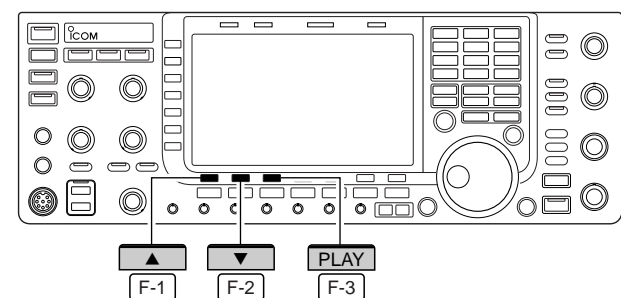
◇ One-touch recording

To record the received signal immediately, one-touch voice recording is available.

➥ Push REC momentarily to store the previous 15 sec. audio.
 • The recordable time period can be set in voice set mode. (p. 7-9)

■ Playing the recorded audio

◇ Basic playing

F-1   F-2   F-3

Appears

Appears   Counts down

① Push EXIT/SET several times to close a multi-function screen, if necessary.
② Push [VOICE] F-2 to call up the voice recorder screen.
  • Previously selected screen, TX or RX memory, is displayed. If the TX memory message (T1–T4) appears, push [T/R] F-7 to select RX memory message.
③ Push [▲] F-1 or [▼] F-2 to select the desired voice memory to playback.
④ Push [PLAY] F-3 to start playback.
  • "▶PLAY" indicators appear and the timer counts down.
⑤ Push [PLAY] F-3 again to stop playback if desired.
  • Playback is terminated automatically when all of the recorded contents in the message are played, or after 30 sec.
⑥ Push EXIT/SET twice to exit the voice recorder screen.

### ◇ One-touch playing
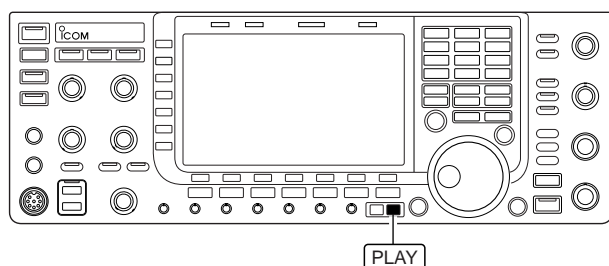
PLAY

The previously recorded audio in message 1 can be played back without selecting voice recorder screen.

➥ Push PLAY momentarily to play back the last 5 sec. of the previously recorded audio.
  • "▶PLAY" indicator appears.
  • Playback is terminated automatically when all of the recorded contents in the message are played, or after 5 sec.
 • The playback time period can be set in voice set mode. (p. 7-9)

■ Protect the recorded contents
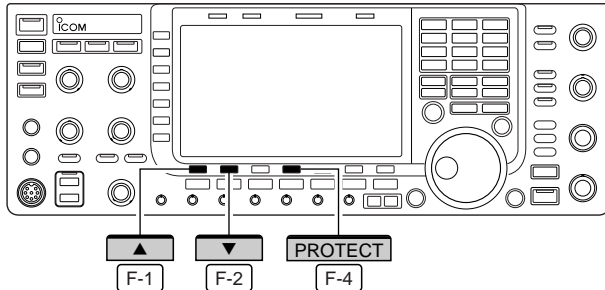
The protect function is available to protect the recorded contents from accidental erasure, such as over-writing, etc.

① Call up the voice recorder screen, RX memory.
② Push [▲] F-1 or [▼] F-2 to select the desired voice message.
③ Push [PROTECT] F-4 to turn the protect function ON and OFF.
  • "🔒" indicator appears when the contents is protected.
④ Push EXIT/SET twice to exit the voice recorder screen.

|		
▲	▼	PROTECT
F-1	F-2	F-4

■ Erasing the recorded contents
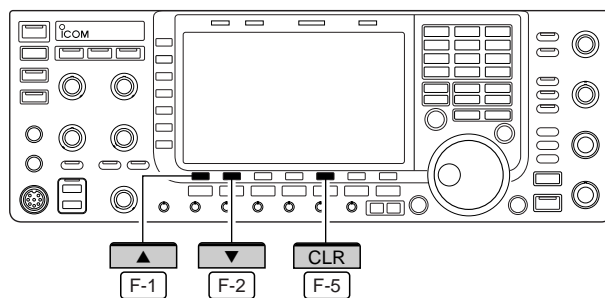
The recorded contents can be erased independently by message.

① Call up the voice recorder screen, RX memory.
② Push [▲] F-1 or [▼] F-2 to select the desired voice message to be erased.
③ Push and hold [CLR] F-5 for 1 sec. to erase the contents.
  • Push [PROTECT] F-4 to release the protection in advance if necessary.
④ Push EXIT/SET twice to exit the voice recorder screen.

▲	▼	CLR
F-1	F-2	F-5

■ Recording a message for transmit

To transmit a message using the voice recorder, record the desired message in advance as described below. The IC-7700 has digital voice memories for transmission, up to 4 messages and a total message length of up to 99 sec. can be recorded.
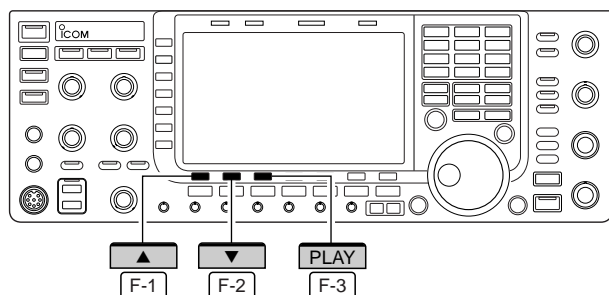
◇ Recording
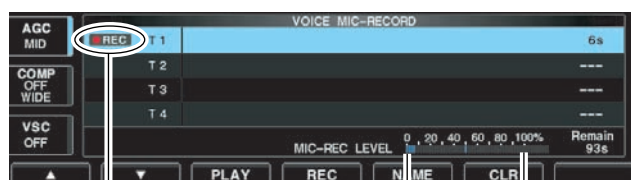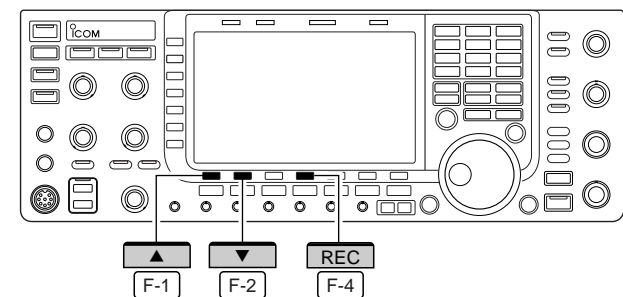
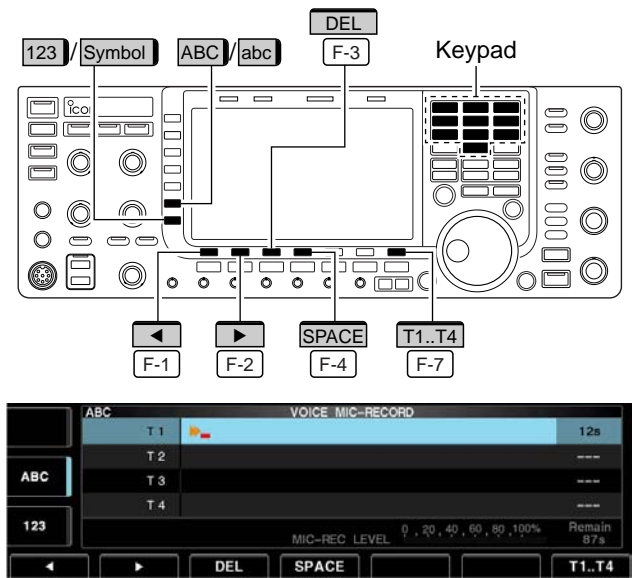Appears   Adjust [MIC] control so that this indicator reads within 100%.

① Push EXIT/SET several times to close a multi-function screen, if necessary.
② Push [VOICE] F-2 to call up the voice recorder screen.
③ Push EXIT/SET to select voice recorder menu.
④ Push [MIC REC] F-2 to select the voice mic. record screen.
⑤ Push [▲] F-1 or [▼] F-2 to select the desired message.
⑥ Push and hold [REC] F-4 for 1 sec. to start recording.
 • "●REC" indicator appears.
 • Speak into the microphone without pushing [PTT].
 • Previously recorded contents are cleared.
 • Audio output from the internal speaker is automatically muted.
⑦ While speaking into the microphone with your normal voice level, adjust the [MIC] control so that the [MIC-REC LEVEL] indicator reads within 100%.
⑧ Push [REC] F-4 momentarily to stop recording.
 • The recording is terminated automatically when the remaining time becomes 0 sec.
⑨ Push EXIT/SET twice to exit the voice recorder screen.

◇ Confirming a message for transmit

① Perform the steps ① to ④ as "◇ Recording" above.
② Push [▲] F-1 or [▼] F-2 to select the desired message.
③ Push [PLAY] F-3 to playback the recorded contents.
 • "▶PLAY" indicator appears.
④ Push [PLAY] F-3 again to stop playback.
 • Playback is terminated automatically when all of the recorded contents in the message are played.
⑤ Push EXIT/SET twice to exit the voice recorder screen.

■ Programming a memory name

Memory messages can be tagged with alphanumeric names of up to 20 characters each.

Capital letters, small letters, numerals, some symbols (! # $ % & ¥ ? " ' ` ^ + − ✱ / . , : ; = < > ( ) [ ] { } | _ ~ @) and spaces can be used. (See the table below.)

① Record a message as described in page 7-6.
② During the voice mic. record screen indication, push [NAME] F-5 to enter memory name edit condition.
  • A cursor appears and blinks.
③ Push [T1..T4] F-7 several times to select the desired voice message.
④ Input the desired character by rotating the main dial or by pushing the band key for number input.
  • Push [ABC] (MF6) or [abc] (MF6) to toggle capital and small letters.
  • Push [123] (MF7) or [Symbol] (MF7) to toggle numerals and symbols.
  • Push [◀] F-1 or [▶] F-2 for cursor movement.
  • Push [DEL] F-3 to delete the selected character.
  • Push [SPACE] F-4 to input a space.
  • Pushing the transceiver's keypad, [0]–[9], can also enter numerals.
⑤ Push EXIT/SET to input and set the name.
  • The cursor disappears.
⑥ Repeat steps ③ to ⑤ to program another voice message's name, if desired.
⑦ Push EXIT/SET twice to exit the voice recorder screen.

• Voice memory name editing example
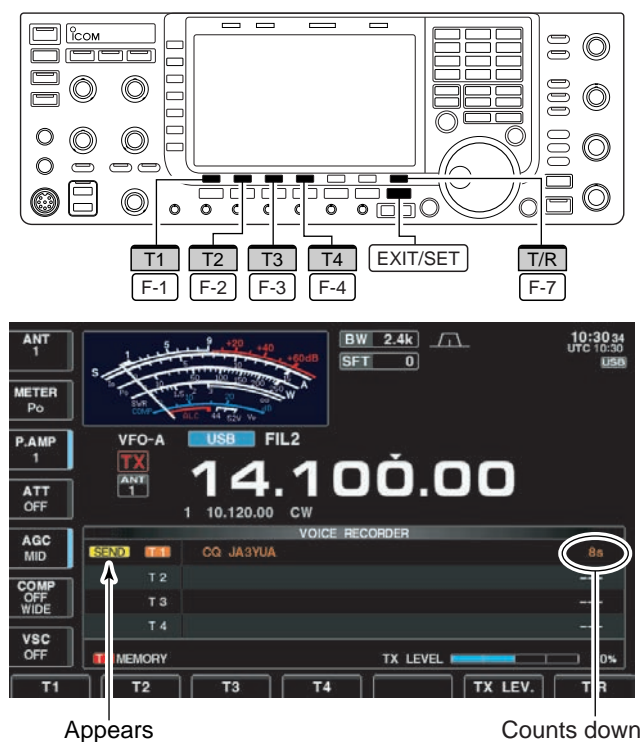
• Usable characters

Key selection	Editable characters
ABC	A to Z (capital letters)
abc	a to z (small letters)
123	0 to 9 (numbers)
Symbol	! # $ % & ¥ ? " ' ` ^ + − ✱ / . , : ; = < > ( ) [ ] { }	_ ~ @

✔ For your convenience
When a PC keyboard is connected to [USB] connector on the front panel, the memory name can also be edited from the keyboard.

■ Sending a recorded message

T1   T2   T3   T4   EXIT/SET   T/R
F-1   F-2   F-3   F-4   F-7

Appears   Counts down

① Push EXIT/SET several times to close a multi-function screen, if necessary.
② Select a phone mode by pushing SSB or AM/FM.
③ Push [VOICE] F-2 to call up the voice recorder screen.
   • If the receive voice message appears, push [T/R] F-7 to select TX message (T1–T4).
④ Push the desired message switch, [T1] F-1 to [T4] F-4, momentarily to transmit the contents.
   • The transceiver transmits automatically.
   • " SEND " indicator appears and the memory timer counts down.
   • You hear the transmitted message from the speaker as the default. This can be turned OFF in voice set mode. (p. 7-9)
⑤ Push the selected message switch, [T1] F-1 to [T4] F-4, again to stop, if desired.
   • The transceiver returns to receive automatically when all of the recorded contents in the message are transmitted.
⑥ Push EXIT/SET twice to exit the voice memory screen.

✔ For your information
When an external keypad is connected to [EXT KEY-PAD], the recorded message, T1–T4, can be transmitted without opening the voice recorder screen.
See page 2-7 for details.

◇ Transmit level setting

DEF
F-7

TX LEV.   EXIT/SET   Main dial
F-6
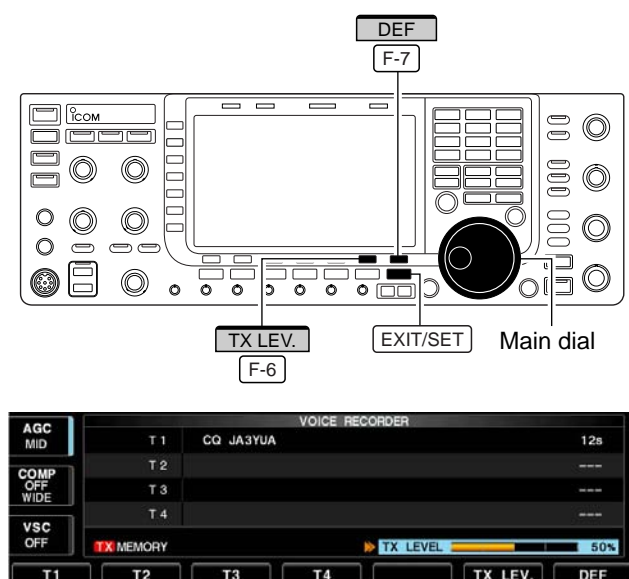
① Call up the voice recorder screen as described as above.
② Push [TX LEV.] F-6 to select the voice memory transmit level set condition.
③ Push the desired message switch, [T1] F-1 to [T4] F-4, momentarily to transmit the contents.
   • The transceiver transmits automatically.
   • " SEND " indicator appears and the memory timer counts down.
④ Rotate the main dial to adjust the transmit voice level.
   • Push and hold [DEF] F-7 for 1 sec. to select the default condition.
⑤ Push EXIT/SET to return to the voice recorder screen.

■ Voice set mode
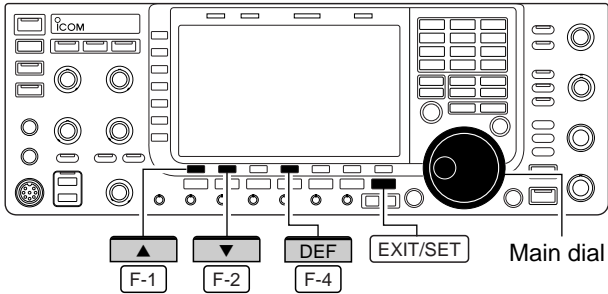
Sets the automatic monitor function, short play and normal recording times for voice recorder.

① Push EXIT/SET several times to close a multi-function screen, if necessary.
② Push [VOICE] F-2 to call up the voice recorder screen.
③ Push EXIT/SET to select voice recorder menu.
④ Push [SET] F-7 to select voice set mode screen.
⑤ Push [▲] F-1 or [▼] F-2 to select the desired item.
⑥ Rotate the main dial to set the desired condition or value.
   • Push and hold [DEF] F-4 for 1 sec. to select the default condition or value.
⑦ Push EXIT/SET to exit the voice set mode screen.

Auto Monitor	ON
Turn on the automatic monitor function for recorded audio contents transmission.	• ON : Monitors transmit audio automatically when sending a recorded audio. • OFF : Monitors transmit audio only when the monitor function is in use.

| Short Play Time	5s
Set the desired time period for one-touch playback (when PLAY is pushed momentarily).	• 3 to 10 sec. in 1 sec. steps can be set. (default: 5 sec.)

Normal Rec Time	15s
Set the desired time period for one-touch recording (when REC is pushed momentarily).	• 5 to 15 sec. in 1 sec. steps can be set. (default: 15 sec.)

■ Saving a voice message into the USB-Memory
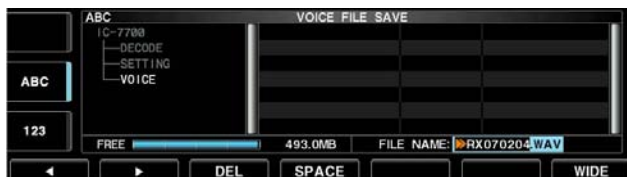
◇ Saving the received audio memory

The USB-Memory is not supplied by Icom.

SAVE — F-6
WIDE — F-7

DIR/FILE — F-1
EDIT — F-4
EXIT/SET
Main dial
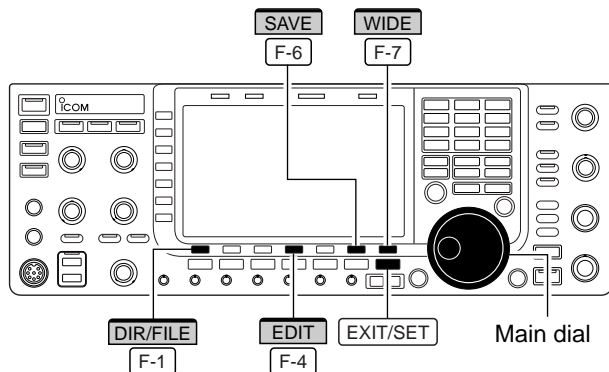
• Voice recorder RX memory screen

• Voice file save screen— file name edit

• While saving

When a PC keyboard is connected to [USB] connector on the front panel, the file name can also be edited from the keyboard.

The recorded RX memory contents can be saved into the USB-Memory.

① During voice recorder RX memory screen display, push [SAVE] F-6 to select voice file save screen.
  • Previously selected screen, TX or RX memory, is displayed. If the TX message (T1–T4) appears, push [T/R] F-7 to select RX message.
② Change the following conditions if desired.
  • **File name:**
    ⒈ Push [EDIT] F-4 to select file name edit condition.
      • Push [DIR/FILE] F-1 several times to select the file name, if necessary.
    ⒉ Push [ABC] (MF6), [123] (MF7) or [Symbol] (MF7) to select the character group, then rotate the main dial to select the character.
      • [ABC] (MF6) : A to Z (capital letters); [123] (MF7): 0 to 9 (numerals); [Symbol] (MF7): ! # $ % & ' ` ^ – ( ) { } _ ˜ @ can be selected.
      • Push [◄] F-1 to move the cursor left, push [►] F-2 to move the cursor right, push [DEL] F-3 to delete a character and push [SPACE] F-4 to insert a space.
    ⒊ Push EXIT/SET to set the file name.

  • **Saving location**
    ⒈ Push [DIR/FILE] F-1 to select tree view screen.
    ⒉ Select the desired directory or folder in the USB-Memory.
      • Push [◄ ►] F-4 to select the upper directory.
      • Push [▲] F-2 or [▼] F-3 to select folder in the same directory.
      • Push and hold [◄ ►] F-4 for 1 sec. to select a folder in the directory.
      • Push [REN/DEL] F-5 to rename the folder.
      • Push and hold [REN/DEL] F-5 for 1 sec. to delete the folder.
      • Push and hold [MAKE] F-6 for 1 sec. to making a new folder. (Edit the name with the same manner as the "• File name" above.)
    ⒊ Push [DIR/FILE] F-1 twice to select the file name.
③ Push [SAVE] F-6 .
  • After the saving is completed, return to voice recorder RX memory screen automatically.

◇ Saving the TX memory

The TX memory contents can also be saved into the USB-Memory. However, the contents are saved with the message list, set mode conditions, etc. at the same time. See page 12-22 for details.