

CLONING SOFTWARE CS-F50

■ System requirements

To use this program, the following hardware and software are required:

- Microsoft® Windows® 98/98SE/Me/2000/XP
- RS-232C serial port
- At least 640 × 480 pixel display
- OPC-966 CLONING CABLE

NOTE: Depending on your Windows system files, the PC may require rebooting. In this case, repeat the installation from the beginning.

■ Getting started

- ◇ This cloning software is designed to perform data setting and cloning for the IC-F50/F51/F60/F61 VHF/UHF TRANSCEIVERS.
- ◇ **HELP WINDOW:** A help window describes the function and operation of each items.

■ Software installation

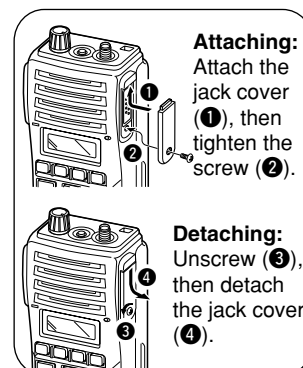
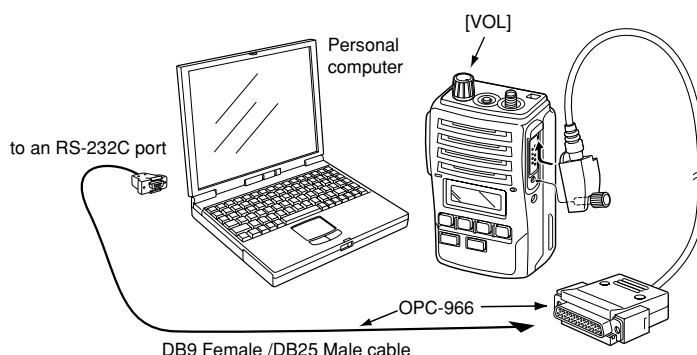
◇ Installation

- ① Boot up Windows.
 - Quit all applications when Windows is running.
- ② Insert the disk into the appropriate CD drive.
- ③ Select 'Run' from the [Start] menu.
- ④ Type the setup program name with full path name, then press the [Enter] key. (e.g. D:\csf50\setup [Enter])
- ⑤ Follow the prompts.
- ⑥ Enter the product ID number in the following manner.
 - ID number: 268301 - (6 digit Serial number)
 - e.g. the Serial number on the CD is 000001, enter "268301-000001" as the ID number.
- ⑦ Program group 'CS-F50' appears in the 'Programs' folder of the start menu.

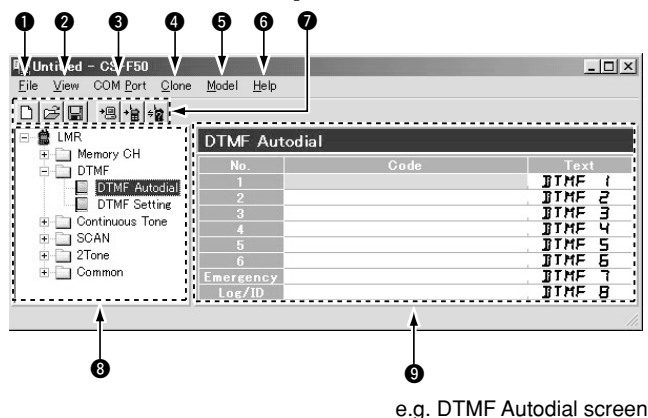
■ Connections

All cloning operations are performed from the computer's keyboard and the operation required on the transceiver side is:

- ① First, connect the cloning cables as illustrated at right.
- ② While pushing [P0], rotate [VOL] to turn power ON.



■ Screen description



① FILE MENU [File]

Used for saving memory channel contents, printing the pre-programmed information or exiting the program, etc.

② VIEW MENU [View]

- Displayed Font Size is selectable.
- Turn the toolbar indication ON or OFF.

③ COM PORT MENU [COM Port]

Click to display the COM port (1 to 4 and More) and the data transfer speed setting dialog box.

- Set the COM port number properly.
- Set the data transfer speed (Normal or High).

NOTE: 'Check the following' dialog box appears when the COM port is not set correctly.

④ CLONING MENU [Clone]

Click to display cloning menu and cloning information dialog box.

⑤ MODEL MENU [Model]

Click to display the model type selection dialog box.

⑥ HELP MENU [Help]

Click to display the help contents and cloning software revision information.

⑦ TOOLBAR

Short cut keys appear on the tool bar when clicking the toolbar function in the [View] menu.

⑧ TREE VIEW MENU

Select the item that you want to edit.

⑨ PROGRAM SCREEN

Displays the channel or editable item information.

■ Before starting the programming

Read all the transceiver cloning data into the PC before editing with the software. Otherwise the cloning data may not be cloned properly to your transceiver.

• Select the model type.

- LMR : Land Mobile Radio. 2Tone function is available.
- PMR : Private Mobile Radio. 5Tone function is available.
- BIIS PMR: Binary Interchange of Information and Signaling. MSK and 5Tone functions are available.

■ Memory CH

The 'Memory CH' window allows you to edit the channel information.

◇ Bank Operation

Specify a bank conditions, each bank name and capacity (number of channels). And also, shows the number of memory channels condition for reference.

◇ Bank

Specify the operating frequency and details of the operating conditions for each memory channel that is assigned in the bank.

/// **NOTE:** Program the RX frequency first, otherwise no setting can be done.

■ MSK (available only when BIIS PMR is selected)

◇ ID Range

Set the ID range for Individual, Group and Common, then set the Country Code and Killer ID.

◇ Own ID/Group

Set the Own/Group ID code, Display Text, Alert and Bell Icon condition for decode action.

◇ Call List

Set the transmission ID, Input Digit, Text, Update and Sel condition.

◇ Message—Status

Set the Display Text, Beep, Auto TX, Priority and Sel condition.

◇ Message—SDM

Set the SDM (Short Data Message) of up to an 8-digit and Sel condition.

◇ Timing & Error

Set the Call Parameter items for NA, NM, NR, TAC, Call LET Timer, Ack LET Timer and Busy Check Timer.

◇ Config.

Set the MSK configuration items such as PTT Call, Pre-Emphasis and SYNC Word.

■ DTMF

◇ DTMF Autodial/ Setting

Edit the DTMF Autodial Code, Text, and then set the time period/signal length for the DTMF Timer, First Timer and * # Timer.

■ Continuous Tone

◇ Continuous Tone/Setting

Set the RX/TX Continuous Tone frequency, and then set the Continuous Tone Setting items such as Tone Burst, User CTCSS Freq (Hz), TX/RX DTCS Inverse.

■ SCAN

◇ Scan List/Setting

Set the Scan Mode type, Display Text, Text ON and PWR Save conditions. And set the timer items for Stop, Resume and Fast/Slow Scan, then turn the Power ON Scan and Auto CH Call functions ON or OFF.

■ 2Tone (available only when LMR is selected)

◇ Code CH

Set the 2Tone code channel items such as 1st/2nd Frequency, Tone Period, Text, TX Code Type and Bell condition.

◇ RX Code Setting

Set the RX code timer for Notone, Group and Beep Repeat.

■ 5Tone

(available only when PMR or BIIS PMR is selected)

◇ RX Code CH

Set the RX code channel items such as RX Code, Text, ID Dec, Bell, ABC and Beep.

◇ RX Code Setting

Set the RX code timer for Link A, ID Decode and Beep Repeat, and set the Compare Digit for decode action.

◇ TX Code CH

Set the TX code channel items for TX Code, Input Digit, Text, Update, ABC Dec/Aud and Sel.

◇ TX Code Setting

Set the TX code timer items such as Long Tone, Link R/1/2, Lead out Delay, and set the displayed digit, PTT Call at Inaudible and special tone items.

◇ Format

Set the time period for the Tone Period, Notone Timer and Tone Length in the format.

◇ User Tone

Set the tone frequency for the Encode and Decode Low/High respectively.

■ Common

◇ Key & Display Assign

The desired functions can be assigned to [Up], [Down], [P0], [P1], [P2], [P3] and [Red] programmable function keys. And set the beep audio frequency, Opening Text, MR/Code Display, Scroll Timer (BIIS PMR), RF Power selection and Move to Prio A CH function.

◇ Set Mode

Set the condition of the set mode items such as Backlight, Beep and SQL Level. And select the set mode "Enable" or "Inhibit" (on the transceiver) for each item.

◇ Common

Commonly set items such as Clone Comment 1/2, User Password, PWR ON Password, Transceiver Data Out, Auto Reset—Timer A/B, Inactive Timer.

◇ Character Editor

You can make an original character (Max. 16 characters) and use it to indicate on the LCD.

NOTE: The above instructions are for reference only. Please refer to the HELP file of the cloning software for the function or setting details.

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