



# **PCC-2000**

## **REFERENCE BOOK**

The PCC-2000 allows you to quickly and easily operate the Yaesu FT-2000 HF/50 MHz Transceiver from your personal computer.

### **IMPORTANT NOTE**

By using this software, you acknowledge that the Software is not intended for use in connection with any high risk of personal injury or strict liability activity (including, without limitation to, air travel, space travel, fire fighting, police operations, power plant operation, military operations, rescue operations, hospital and medical operations) and that Vertex Standard makes no warranty and shall have no liability in connection with any use of the Software in such situations.

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**VERTEX STANDARD CO., LTD.**

# PCC-2000 REFERENCE BOOK

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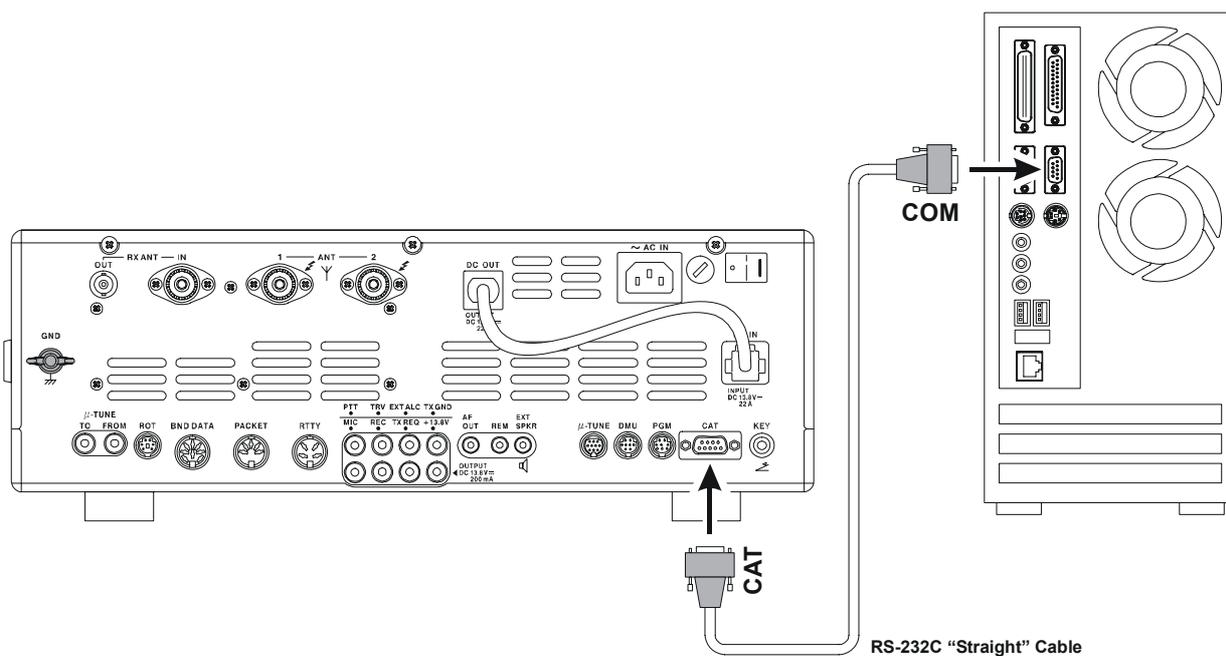
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## PCC-2000 SYSTEM COMPONENTS

- ❑ IBM® PC / compatible Computer with Microsoft® Windows® 2000 or XP
- ❑ 30 MB of available Hard Disk space
- ❑ 256 MB or more RAM
- ❑ RS-232C port
- ❑ 1024 x 768 color display with 256-bit color support on the video card

## FT-2000 AND COMPUTER INTERCONNECTIONS



## “PCC-2000” PERSONAL COMPUTER CONTROLLER WINDOW

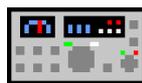


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## OPENING/CLOSING THE PCC-2000 CONTROLLER PROGRAM

### OPENING THE PCC-2000 PROGRAM

Double click the left mouse button on the “PCC-2000” icon. The “Vertex Standard” logo will appear for three seconds; afterwards the “PCC-2000” Personal Computer Controller will be opened.



“PCC-2000” icon

### CLOSING THE PCC-2000 PROGRAM

To close the “PCC-2000” Personal Computer Controller:

- ❑ Click the left mouse button on the Close Button “X” on the “PCC-2000” Personal Computer Controller.
- ❑ Click the left mouse button on the “Exit” parameter in the “File” menu on the “PCC-2000” Personal Computer Controller.
- ❑ Press the [ESC] button on the keyboard.



“EXIT” parameter



Close button

## DATA CONNECTION

- ❑ Click the left mouse button on the [COM] button of the “PCC-2000” Personal Computer Controller to enable computer control. The yellow indicator will glow.
- ❑ Click the left mouse button on the [COM] button of the “PCC-2000” Personal Computer Controller again to disable computer control. The yellow indicator will go out.



[COM] button

## SWITCHING POWER ON/OFF OF THE FT-2000

Click the left mouse button on the [ON/OFF] button of the “PCC-2000” Personal Computer Controller to turn the transceiver “On” and “Off.”

*Note:* the transceiver’s rear panel Power switch must already have been turned on manually.



[ON/OFF] button

## AF GAIN CONTROL

### MAIN BAND (VFO-A)

Click the left mouse button on the main [AF GAIN] knob (this turns the color of the “AF GAIN” image yellow), then turn the mouse scroll or press the left/right buttons to adjust the audio for a comfortable listening level.



Main [AF GAIN] knob

### SUB BAND (VFO-B)

Click the left mouse button on the sub [AF GAIN] knob (this turns the color of the sub “AF GAIN” image yellow), then turn the mouse scroll or press the left/right buttons to adjust the audio for a comfortable listening level.

Sub [AF GAIN] knob

## SQL LEVEL CONTROL

### MAIN BAND (VFO-A)

Click the left mouse button on the [SQL] knob (this turns the color of the “SQL” image yellow), then turn the mouse scroll, or press the left/right buttons, to adjust the squelch threshold level.



Main [SQL] knob

### SUB BAND (VFO-B)

Click the left mouse button on the sub [SQL] knob (this turns the color of the sub “SQL” image yellow), then turn the mouse scroll, or press the left/right buttons, to adjust the squelch threshold level.



Sub [SQL] knob

# PCC-2000 REFERENCE BOOK

## FREQUENCY NAVIGATION ON THE MAIN BAND (VFO-A)

### MAIN TUNING DIAL KNOB

- ❑ Bring the mouse cursor to the Main Tuning Dial knob, then turn the mouse scroll to tune the Main Band (VFO-A) frequency.
- ❑ Press and hold in the left mouse button on the edge of the Main Tuning Dial knob, then rotate the mouse, to tune the Main Band (VFO-A) frequency while holding in the left mouse button.



Main Tuning Dial knob

### DIRECT FREQUENCY DIGIT SET

1. Click the left mouse button on the frequency digit which you wish to change on the Main Band (VFO-A) frequency. The frequency digit will change to Orange.
2. Turn the mouse scroll to tune the frequency digit of the Main Band (VFO-A) frequency.



Frequency Digit

### BAND CHANGE

Click the left mouse button on the [BAND] button corresponding to the Amateur on which you wish to operate.



BAND keys

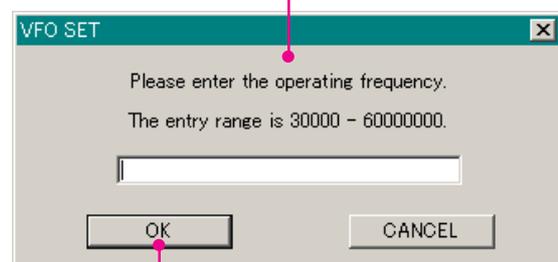
### DIRECT KEYPAD FREQUENCY ENTRY

1. Click the left mouse button on the [ENT] button of the BAND keys. The “VFO SET” window will open.
2. Enter a frequency directly from the BAND keys or computer’s keyboard. Available entry values are 30000 - 60000000 (300 Hz - 60 MHz).
3. Click the left mouse button on the [OK] button of the “VFO SET” window or press the computer’s [ENTER] key to terminate the frequency entry.



[ENT] button

“VFO SET” window



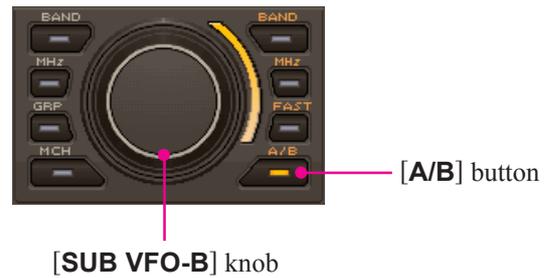
[OK] button

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## FREQUENCY NAVIGATION ON THE SUB BAND (VFO-B)

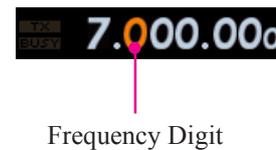
### [SUB VFO-B] KNOB

- ❑ Click the left mouse button on the [A/B] button to enable the [SUB VFO-B] knob. Bring the mouse cursor to the [SUB VFO-B] knob, then turn the mouse scroll to tune the Sub Band (VFO-B) frequency.
- ❑ Click the left mouse button on the [A/B] button to enabling the [SUB VFO-B] knob. Press and hold in the left mouse button on the edge of the [SUB VFO-B] knob, then rotate the mouse, to tune the Sub Band (VFO-B) frequency while holding in the left mouse button.



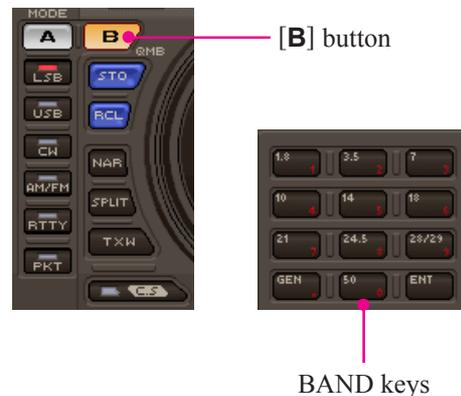
### DIRECT FREQUENCY DIGIT SET

1. Click the left mouse button on the frequency digit which you wish to change on the Sub Band (VFO-B) frequency. The frequency digit will change to Orange.
2. Turn the mouse scroll to tune the frequency digit of the Sub Band (VFO-B) frequency.



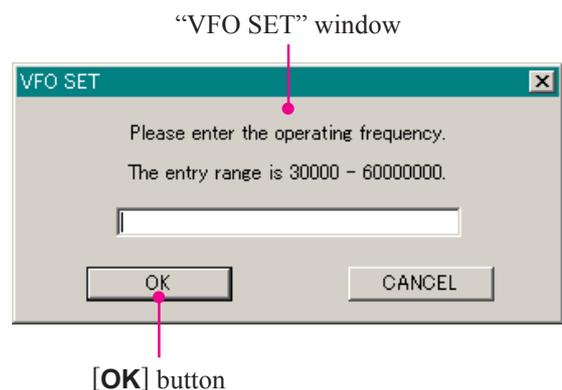
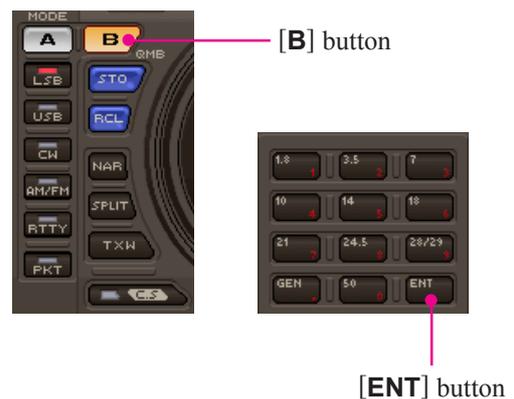
### BAND CHANGE

Click the left mouse button on the [B] button, then click the left mouse button on the [BAND] button corresponding to the Amateur band on which you wish to operate.



### DIRECT KEYPAD FREQUENCY ENTRY

1. Click the left mouse button on the [B] button, then click the left mouse button on the [ENT] button of the BAND keys. The "VFO SET" window will open.
2. Enter a frequency directly by the BAND keys or computer's keyboard. Available entry values are 30000 - 60000000 (300 Hz - 60 MHz).
3. Click the left mouse button on the [OK] button of the "VFO SET" window or press the computer's [ENTER] key to terminate the frequency entry.



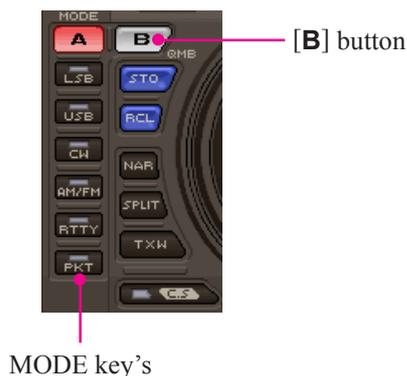
# PCC-2000 REFERENCE BOOK

## MODE SWITCH

- ❑ Click the left mouse button on the [MODE] button to select the desired operating mode for the Main band (VFO-A).
- ❑ Click the left mouse button on the [B] button, then click the left mouse button on the [MODE] button to select the desired operating mode for the Sub band (VFO-B).

### Note:

- Click the [B] button repeatedly to toggle the operating mode between the “CW-U” and “CW-L” selections (CW with Upper Sideband or Lower Sideband BFO injection).
- Click the [AM/FM] button to toggle the operating mode between “AM” (inside of the button glows red) and “FM” (inside of the button glows orange).
- Click the [RTTY] button to toggle the operating mode between “RTTY-U” and “RTTY-L.”
- Click the [PKT] button to toggle the operating mode between “PKT-U,” “PKT-L,” and “PKT-FM.”



## CLARIFIER OPERATION

### RX CLAR SWITCH

Click the left mouse button on the [RX CLAR] button to turn the RX Clarifier on and off.

### TX CLAR SWITCH

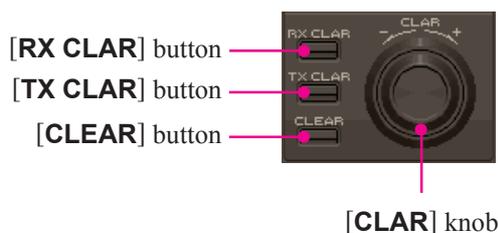
Click the left mouse button on the [TX CLAR] button to turn the TX Clarifier on and off.

### CLEAR SWITCH

Click the left mouse button on the [CLEAR] button to clear the Clarifier offset frequency (thereby setting the offset to “Zero”).

### CLAR KNOB

- ❑ Click the left mouse button on the [CLAR] knob, then turn the mouse scroll to tune the Clarifier offset frequency.
- ❑ Press and hold in the left mouse button on the edge of the [CLAR] knob, then rotate the mouse to tune the Clarifier offset frequency while holding in the left mouse button.



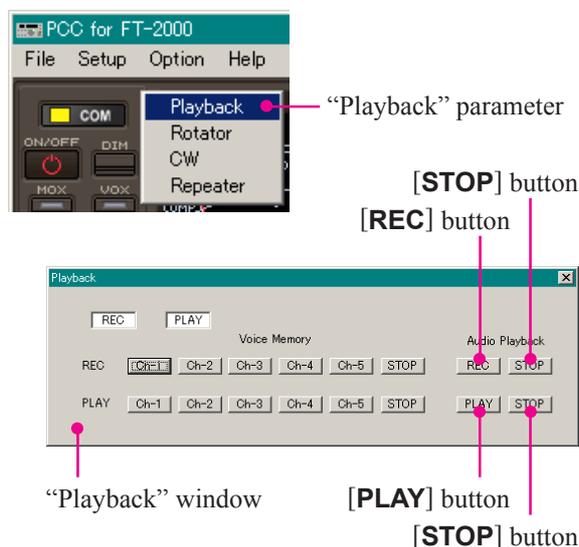
## AUDIO PLAYBACK FEATURE

### RECORDING

1. Click the left mouse button on the “Playback” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Playback” pop-up window.
2. Click the left mouse button on the [REC] button of the Audio Playback feature to initiate recording.
3. Click the left mouse button on the [STOP] button of the Audio Playback feature to stop recording.

### PLAYBACK

1. Click the left mouse button on the “Playback” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Playback” pop-up window.
2. Click the left mouse button on the [PLAY] button of the Audio Playback feature to begin playback of the recorded audio.
3. Click the left mouse button on the [STOP] button of the Audio Playback feature to stop the playback.

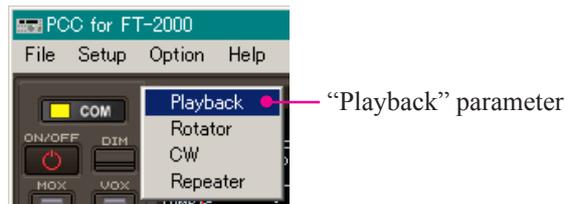


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## VOICE MEMORY FEATURE

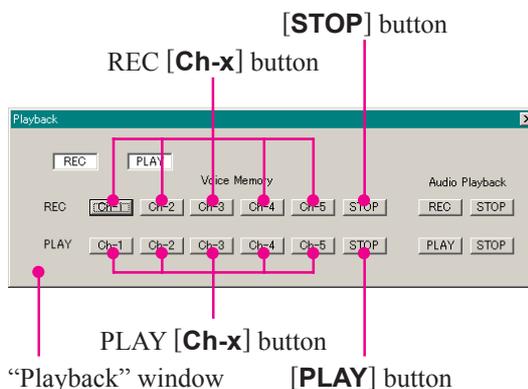
### RECORDING

1. Click the left mouse button on the “Playback” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Playback” pop-up window.
2. Click the left mouse button on the desired Memory Channel button (REC [Ch-1] ~ REC [Ch-5]) for the Voice Memory feature to initiate recording.
3. Click the left mouse button on the [STOP] button for the Voice Memory feature to stop recording.



### PLAYBACK

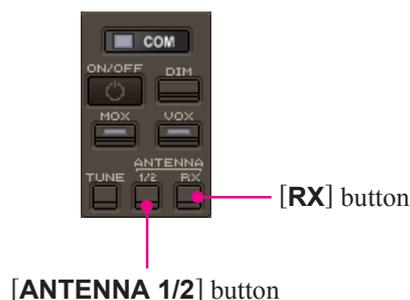
1. Click the left mouse button on the “Playback” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Playback” pop-up window.
2. Click the left mouse button on the desired Memory Channel button (PLAY [Ch-1] ~ PLAY [Ch-5]) for the Voice Memory feature to begin playback of the recorded audio.
3. Click the left mouse button on the [STOP] button for the Voice Memory feature to stop the playback.



## ANTENNA SELECTION

Click the left mouse button on the [ANTENNA 1/2] button to open the “ANT” pop-up window, then select the antenna on which you wish to operate.

To use the RX ANT, repeatedly click the left mouse button on the [ANTENNA RX] button to turn the RX antenna on and off. When the RX antenna is selected, the “RX” icon will appear in the display.



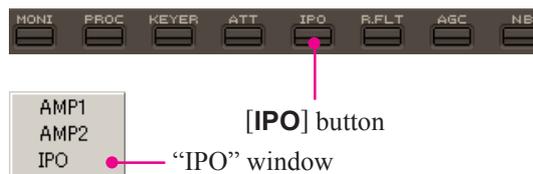
## IPO (INTERCEPT POINT OPTIMIZATION)

Click the left mouse button on the [IPO] button to open the “IPO” pop-up window, then select the front-end system you wish to use.

**AMP1:** low-distortion amplifier.

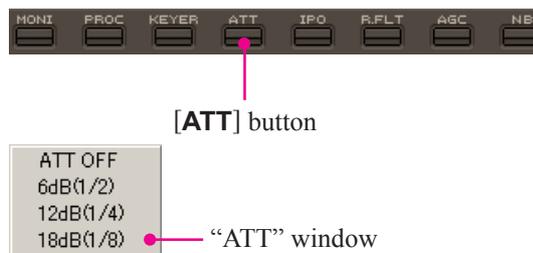
**AMP2:** 2-stage low-distortion amplifier.

**IPO:** bypasses the front end RF amplifier.



## ATT (ATTENUATOR)

Click the left mouse button on the [ATT] button to open the “ATT” pop-up window, then select the attenuation level which you wish to utilize.



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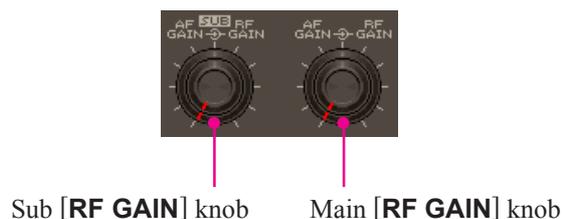
## RF GAIN CONTROL

### MAIN BAND (VFO-A)

Click the left mouse button on the main [RF GAIN] knob (the indication color of “RF GAIN” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the RF gain.

### SUB BAND (VFO-B)

Click the left mouse button on the sub [RF GAIN] knob (the indication color of “RF GAIN” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the RF gain.



## VRF (VARIABLE RF FRONT-END FILTER) OPERATION

1. Click the left mouse button on the [VRF] button to open the “VRF” pop-up window, then select the configuration you wish to use.

**VRF OFF:** Turns the VRF filter off.

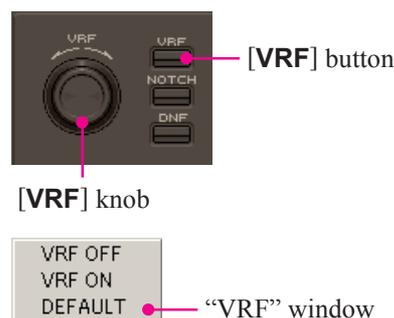
**VRF ON:** Turns the VRF filter on.

**DEFAULT:** Moves the passband of the VRF filter to the center of the current amateur band.

2. When you have set the [VRF] button to “VRF ON:”

Bring the mouse cursor to the [VRF] knob, then turn the mouse scroll to move the passband of the VRF filter.

Press and hold in the left mouse button on the edge of the [VRF] knob, then rotate the mouse to move the passband of the VRF filter while holding the left mouse button.



## ROOFING FILTER SELECTION

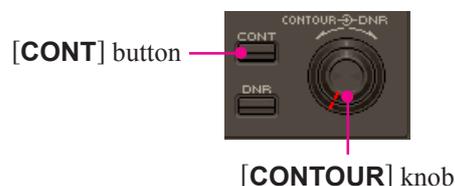
Click the left mouse button on the [R.FLT] button to open the “Roofing Filter” pop-up window, then select the bandwidth you wish to utilize.



## CONTOUR FILTER OPERATION

1. Click the left mouse button on the [CONT] button to turn the Contour filter on and off. When the Contour filter is set to on, the Contour filter characteristic will appear in the display.

2. Click the left mouse button on the edge of the [CONTOUR] knob (the indication color of “CONTOUR” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the center frequency of the Contour filter.



## IF SHIFT OPERATION

Click the left mouse button on the edge of the [SHIFT] knob (the indication color of “SHIFT” will turn yellow), then turn the mouse scroll or press the left/right buttons to move the filter passband.



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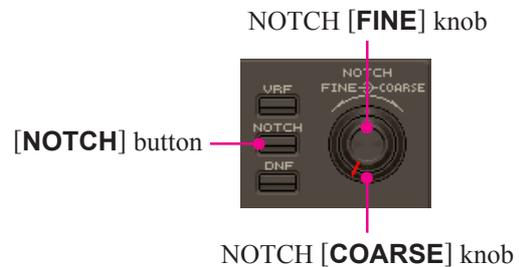
## WIDTH OPERATION

Click the left mouse button on the edge of the **[WIDTH]** knob (the indication color of “WIDTH” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the filter bandwidth.



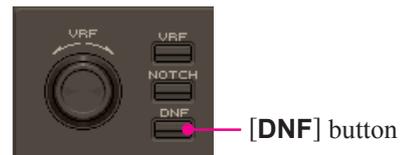
## NOTCH OPERATION

1. Click the left mouse button on the **[NOTCH]** button to turn the Notch filter on and off. When the Notch filter is set to on, the Notch characteristic will appear in the display.
2. Click the left mouse button on the edge of the **[COARSE]** knob (the indication color of “COARSE” will turn yellow), then turn the mouse scroll or press the left/right buttons to perform coarse adjustment of the center frequency of the IF Notch filter.
3. Click the left mouse button on the edge of the **[FINE]** knob (the indication color of “FINE” will turn yellow), then turn the mouse scroll or press the left/right buttons to make fine adjustments to the center frequency of the IF Notch filter.



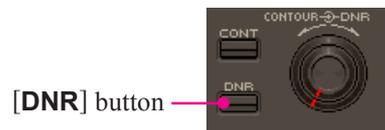
## AUTO NOTCH OPERATION

Click the left mouse button on the **[DNF]** button to turn the Auto Notch filter on and off. When the Auto Notch filter is set to on, the “DNF” icon will appear in the display.



## NOISE REDUCTION OPERATION

1. Click the left mouse button on the **[DNR]** button to turn the Digital Noise Reduction system on and off. When the Digital Noise Reduction system is set to on, the “DNR” icon will appear in the display.
2. Click the left mouse button on the edge of the **[DNR]** knob (the font color of “DNR” will change to yellow), then turn the mouse scroll or press the left/right buttons to select the setting that most effectively reduces the noise level.



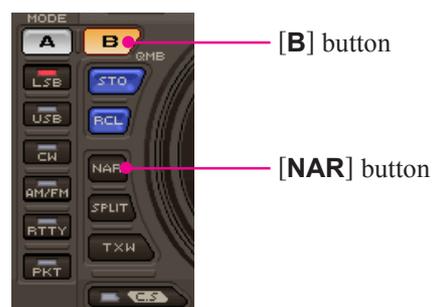
## NAR (ONE-TOUCH NARROW IF FILTER SELECTION)

### MAIN BAND (VFO-A)

1. Click the left mouse button on the **[NAR]** button to engage the preset “Narrow” IF filter selection. When the narrow bandwidth is engaged, the “NAR” indication will appear in the display.
2. Click the left mouse button on the **[NAR]** button again; the bandwidth will revert to that set by the **[WIDTH]** knob.

### SUB BAND (VFO-B)

1. Click the left mouse button on the **[B]** button.
2. Within five seconds of clicking the **[B]** button (while the imbedded orange indicator is illuminated), click the left mouse button on the **[NAR]** button to toggle the bandwidth between “Wide” and “Narrow.” When the “Narrow” option is selected, the “NAR” icon will appear in the display.



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## NOISE BLANKER OPERATION

### MAIN BAND (VFO-A)

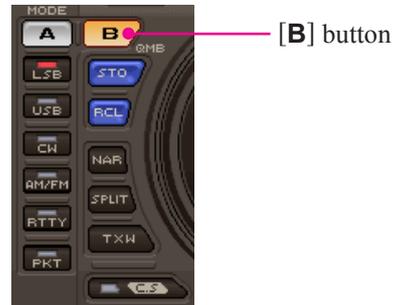
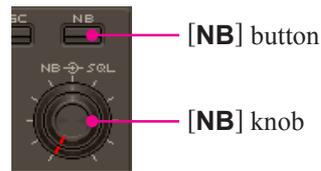
1. Click the left mouse button on the **[NB]** button to open the “NB” pop-up window, then select the configuration you wish to use.

**NB OFF:** Turns the Noise Blanker off.

**NB ON:** Turns the Noise Blanker on (for short-duration pulses).

**NB-W ON:** Turns the Noise Blanker on (for longer-duration pulses).

2. When you have set the **[NB]** button to “NB ON” or “NB-W ON,” click the left mouse button on the **[NB]** knob (the indication color of “NB” will turn yellow), then turn the mouse scroll or press the left/right buttons to select the noise blanking level.



### SUB BAND (VFO-B)

1. Click the left mouse button on the **[B]** button, then click the left mouse button on the **[NB]** button to open the “NB” pop-up window; now select the configuration you wish to use.

**NB OFF:** Turns the Noise Blanker off.

**NB ON:** Turns the Noise Blanker on (for short-duration pulses).

**NB-W ON:** Turns the Noise Blanker on (for longer-duration pulses).

2. When you have set the **[NB]** button to “NB ON” or “NB-W ON,” left-click on the **[B]** button followed by the **[NB]** knob (the indication color of “NB” will turn yellow), then turn the mouse scroll or press the left/right buttons to select the desired noise blanking level.

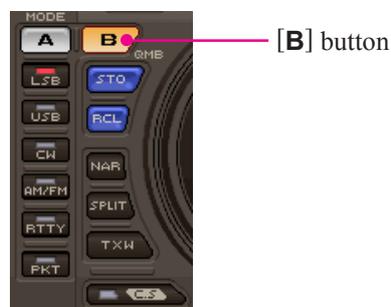
## AGC

### SUB BAND (VFO-B)

Click the left mouse button on the **[AGC]** button to open the “AGC” pop-up window, then select the desired receiver-recovery time.

### SUB BAND (VFO-B)

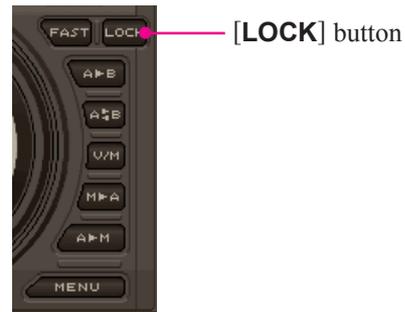
Click the left mouse button on the **[B]** button, and then click the left mouse button on the **[AGC]** button to open the “AGC” pop-up window; now select the desired receiver-recovery time.



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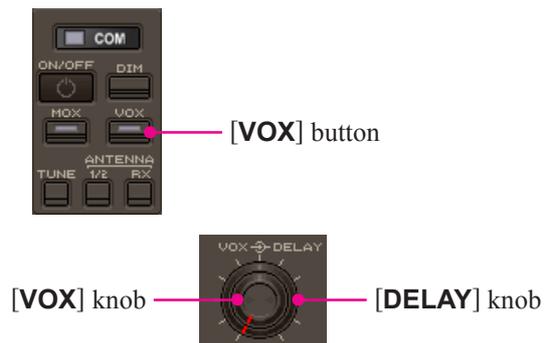
## LOCK FEATURE

Click the left mouse button on the **[LOCK]** button to turn the Main Tuning Dial knob Lock “on” and “off.” When the Main Tuning Dial knob is set to be locked, the “LOCK” icon will appear in the display.



## VOX OPERATION

1. Click the left mouse button on the **[VOX]** button to turn the VOX circuit on and off. When the VOX circuit is set to on, the inside of the button glows red.
2. Click the left mouse button on the **[VOX]** knob (the indication color of “VOX” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the VOX gain.
3. Click the left mouse button on the **[DELAY]** knob (the indication color of “DELAY” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the hang time of the VOX circuit.



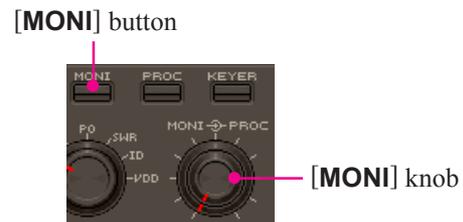
## USING THE SPEECH PROCESSOR

1. Click the left mouse button on the **[PROC]** button to turn the Speech Processor on and off. When the Speech Processor is set to on, the “PROC” icon will appear in the display.
2. Click the left mouse button on the **[PROC]** knob (the indication color of “PROC” will turn yellow), then turn the mouse scroll or press the left/right buttons to select the Compression level.



## USING THE MONITOR

1. Click the left mouse button on the **[MONI]** button to turn the Monitor circuit on and off. When the Monitor is set to on, the “MONI” icon will appear in the display.
2. Click the left mouse button on the **[MONI]** knob (the indication color of “MONI” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the Monitor level.



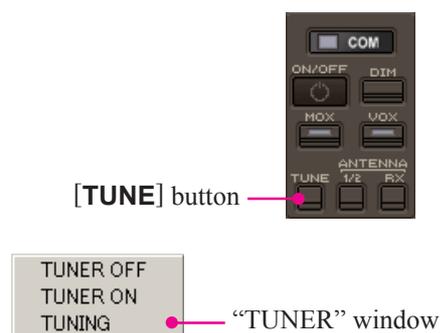
## ANTENNA TUNER OPERATION

Click the left mouse button on the **[TUNE]** button to open the “TUNER” pop-up window, then select the configuration you wish to use.

**TUNER OFF:** Turns the Automatic Antenna Tuner off.

**TUNER ON:** Turns the Automatic Antenna Tuner on.

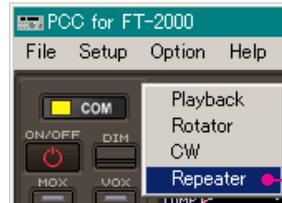
**TUNING:** Turns the Automatic Antenna Tuner on, and begins the automatic tuning process.



# PCC-2000 REFERENCE BOOK

## REPEATER OPERATION

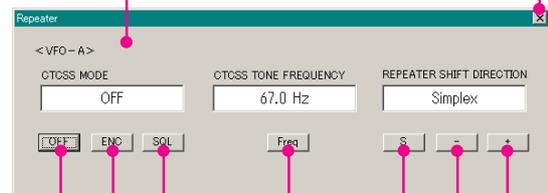
1. Click the left mouse button on the “Repeater” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Repeater” pop-up window.
2. Click the left mouse button on the [ENC], [SQL], or [OFF] button to select the desired CTCSS mode.
3. Click the left mouse button on the “Freq” button to open the “CTCSS Tone Frequency” pop-up window, and then select the desired tone frequency.
4. Click the [OK] button to close the “CTCSS Tone Frequency” pop-up window.
5. Click the left mouse button on the [S], [-], or [+] button to select the desired Repeater Shift Direction.
6. Click the left mouse button on the Close Button “X” on the “Repeater” pop-up window to save the new setting and close the “Repeater” pop-up window.



“Repeater” parameter

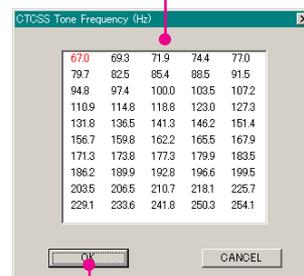
“Repeater” window

Close button



[OFF] button  
[ENC] button  
[SQL] button  
[Freq] button  
[S] button  
[-] button  
[+] button

“CTCSS Tone Frequency” window



[OK] button

## KEYER OPERATION

1. Click the left mouse button on the [KEYER] button to turn the CW Keyer on and off. When the CW Keyer is set to on, the “KEYER” icon will appear in the display.
2. Click the left mouse button on the [SPEED] knob (the indication color of “SPEED” will turn yellow), then turn the mouse scroll or press the left/right buttons to set the desired keying speed.
3. Click the left mouse button on the [PITCH] knob (the indication color of “PITCH” will turn yellow), then turn the mouse scroll or press the left/right buttons to set the desired CW tone pitch.
4. Click the left mouse button on the [BK-IN] button to turn the CW Break-in circuit on and off. When the CW Break-in circuit is set to on, the “BK-IN” icon will appear in the display.
5. Click the left mouse button on the [DELAY] knob (the indication color of “DELAY” will turn yellow), then turn the mouse scroll or press the left/right buttons to adjust the CW delay time.



[KEYER] button

[SPEED] knob

[BK-IN] button



[PITCH] knob



[DELAY] knob

# PCC-2000 REFERENCE BOOK

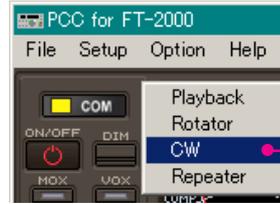
## CONTEST MEMORY KEYS

### TEXT MEMORY STORAGE

1. Click the left mouse button on the “CW” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “CW” pop-up window.
2. Click the left mouse button on the desired Text Memory Channel (“Text Ch-1” ~ “Text Ch-5”), then enter the message from the computer’s keyboard. Remember to add the “}” character at the end to signify the termination of the message.
3. Click the left mouse button on the [CH-x WR] button to save the message.

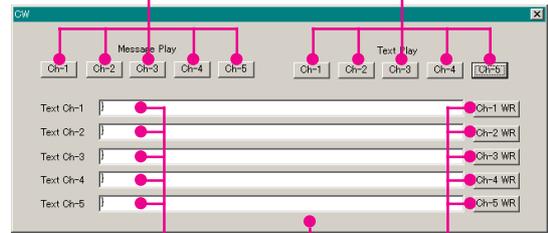
### PLAYBACK

1. Click the left mouse button on the “Playback” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Playback” pop-up window.
2. Click the left mouse button on the desired Memory Channel button (Message Play [Ch-1] ~ Message Play [Ch-5] or Text Play [Ch-1] ~ Text Play [Ch-5]) to begin playback of the recorded audio.



“CW” parameter

“Message Play” button’s      “Text Play” button’s

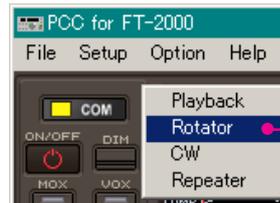


Text Memory Channel      [CH-x WR] button

“CW” window

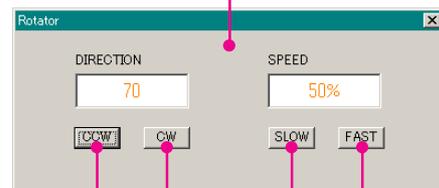
## ROTATOR CONTROL

1. Click the left mouse button on the “Rotator” parameter in the “Option” menu on the “PCC-2000” Personal Computer Controller to open the “Rotator” pop-up window.
2. Click the left mouse button on the [CCW] or [CW] button to rotate the antenna.
3. Click the left mouse button on the [SLOW] or [FAST] button to adjust the rotation speed.



“Rotator” parameter

“Rotator” window



[CW] button      [FAST] button

[CCW] button      [SLOW] button

## QMB MEMORY

- ❑ Click the left mouse button on the [STO] button to write the current main band (VFO-A) data to the QMB memory.
- ❑ Click the left mouse button on the [RCL] button to recall the QMB memory.



[STO] button

[RCL] button

# PCC-2000 REFERENCE BOOK

## OPERATION OF MISCELLANEOUS KNOBS AND BUTTONS

### [METER] KNOB

Click the left mouse button on the [METER] knob, then turn the mouse scroll or press the left/right buttons to select the function of the meter during transmission.

### [MIC] KNOB

Click the left mouse button on the [MIC] knob (the indication color of “MIC” will turn yellow), then turn the mouse scroll or press the left/right buttons to select the Microphone gain level.

### [RF PWR] KNOB

Click the left mouse button on the [RF PWR] knob (the indication color of “RF PWR” will turn yellow), then turn the mouse scroll or press the left/right buttons to set the desired output power.

### [DIM] BUTTON

Click the left mouse button on the [DIM] button to toggle the illumination level of the Meter/Display between “Hi” and “Low.”

### [MOX] BUTTON

Click the left mouse button on the [MOX] button to engage transmission. When the MOX circuit is set to on, the inside of the button glows red.

### [SPOT] BUTTON

Click the left mouse button on the [SPOT] button to turn on the CW receiver spotting tone.

### [A] BUTTON

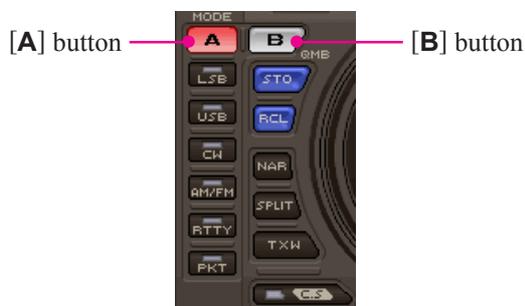
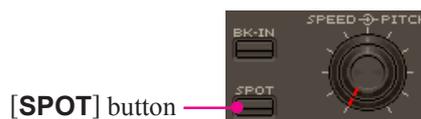
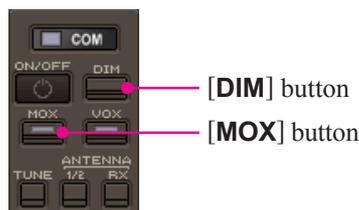
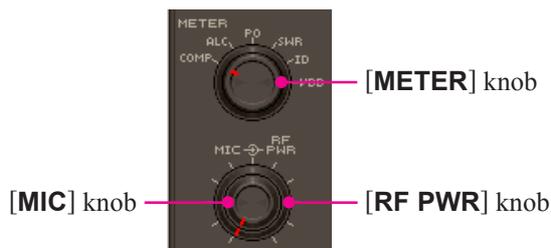
When this button glows red, the following buttons are active on the Main Band (VFO-A).

- [MODE] Button
- [BAND] Button
- [NAR] Button
- [AGC] Button
- [NB] Button
- [NB] Knob

### [B] BUTTON

Click the left mouse button on the [B] button to turn the button orange for five seconds. When this button glows orange, the following buttons are active on the Sub Band (VFO-B).

- [MODE] Button
- [BAND] Button
- [NAR] Button
- [AGC] Button
- [NB] Button
- [NB] Knob



# PCC-2000 REFERENCE BOOK

## OPERATION OF MISCELLANEOUS KNOBS AND BUTTONS

### [SPLIT] BUTTON

Click the left mouse button on the [SPLIT] button to open the "SPLIT" pop-up window, then select the configuration you wish to use.

- MAIN TX:** Disables the Split Frequency operation. (Main (VFO-A) register will be used for transmission and reception.)
- SUB TX:** Activates the Split Frequency operation. (Main (VFO-A) register will be used for reception while Sub (VFO-B) register will be used for transmission.)
- QUICK SPLIT:** Activates the Quick Split feature. (Sub (VFO-B) register will automatically be set to a frequency 5 kHz higher than the Main (VFO-A) register with same operating mode.)



### [TXW] BUTTON

Click the left mouse button on the [TXW] button to monitor the transmit frequency when split frequency operation is engaged. Release the mouse button to return to normal operation.

### MAIN [RX] BUTTON

Click the left mouse button on the Main [RX] button to toggle the Main Band (VFO-A) receiver on and off. When the Main Band (VFO-A) receiver is set to on, the button glows green.

### MAIN [TX] BUTTON

Click the left mouse button on the Main [TX] button to toggle transmitter control between the "Main Band (VFO-A)" and "Sub Band (VFO-B)." When the transmitter control is set to "Main Band (VFO-A)," this button glows red.

### SUB [RX] BUTTON

Click the left mouse button on the Sub [RX] button to toggle the Sub Band (VFO-B) receiver on and off. When the Sub Band (VFO-B) receiver is set to on, this button glows green.

### SUB [TX] BUTTON

Click the left mouse button on the Sub [TX] button to toggle transmitter control between the "Main Band (VFO-A)" and "Sub Band (VFO-B)." When the transmitter control is set to "Sub Band (VFO-B)," this button glows red.



# PCC-2000 REFERENCE BOOK

## OPERATION OF MISCELLANEOUS KNOBS AND BUTTONS

### [FAST] BUTTON

Click the left mouse button on the [FAST] button to toggle the tuning rate of the Main Tuning Dial knob between “Fast” and “Slow.” When the tuning rate is set to “Fast,” the “FAST” icon will appear in the display.

### [A▶B] BUTTON

Click the left mouse button on the [A▶B] button to transfer data from the Main band (VFO-A) frequency (or a recalled memory channel) to the Sub band (VFO-B).

### [A◀B] BUTTON

Click the left mouse button on the [A◀B] button to exchange the contents of the Main band (VFO-A) (or a recalled memory channel) and the Sub band (VFO-B).

### [V/M] BUTTON

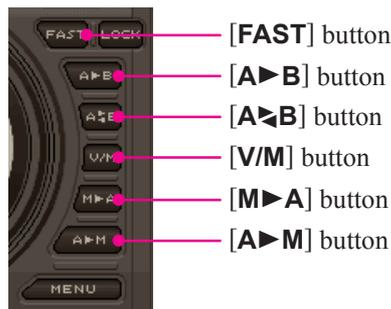
Click the left mouse button on the [V/M] button to toggle the Main band (VFO-A) receiver operation between the memory system and the VFO.

### [M▶A] BUTTON

Click the left mouse button on the [M▶A] button to copy the data from the currently-selected memory to the Main VFO (VFO-A).

### [A▶M] BUTTON

Click the left mouse button on the [A▶M] button to copy the current operating data from the Main band (VFO-A) into the currently selected memory channel, overwriting any previous data stored there.



### MAIN (VFO-A) [BAND] BUTTON

Clicking the left mouse button on the Main (VFO-A) [BAND] button (the inside of the button will glow red) allows you to select the Main (VFO-A) operating band (Amateur bands) using the [SUB VFO-B] knob.

### MAIN (VFO-A) [MHz] BUTTON

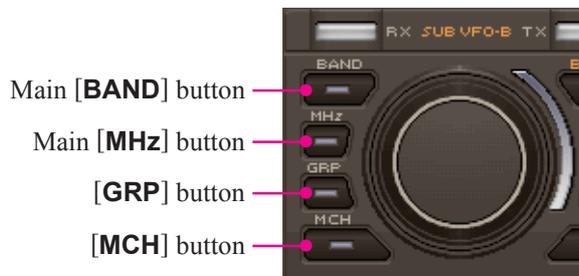
Clicking the left mouse button on the Main (VFO-A) [MHz] button (the inside of the button will glow red) allows you to turn the Main (VFO-A) frequency down or up in 1 MHz increments, using the [SUB VFO-B] knob.

### [GRP] BUTTON

Clicking the left mouse button on the [GRP] button (the inside of the button will glow red) allows you to select the memory group using the [SUB VFO-B] knob.

### [MCH] BUTTON

Clicking the left mouse button on the [MCH] button (the inside of the button will glow red) allows you to select the memory channel using the [SUB VFO-B] knob.



# PCC-2000 REFERENCE BOOK

## OPERATION OF MISCELLANEOUS KNOBS AND BUTTONS

### **SUB (VFO-B) [BAND] BUTTON**

Clicking the left mouse button on the Sub (VFO-B) [BAND] button (the inside of the button will glow orange) allows you to select the Sub (VFO-B) operating band (Amateur bands) using the [SUB VFO-B] knob.

### **SUB (VFO-B) [MHz] BUTTON**

Clicking the left mouse button on the Sub (VFO-B) [MHz] button (the inside of the button will glow orange) allows you to turn the Sub (VFO-B) frequency down or up in 1 MHz increments, using the [SUB VFO-B] knob.

### **[FAST] BUTTON**

Clicking the left mouse button on the [FAST] button (the inside of the button will glow orange) increases the tuning rate of the [SUB VFO-B] knob by a factor of 10.

### **[A/B] BUTTON**

Click the left mouse button on the [A/B] button to toggle the actions of the [SUB VFO-B] button between the “Main band (VFO-A)” and “Sub band (VFO-B).”

### **[DISPLAY] BUTTON**

Click the left mouse button on the [DISPLAY] button to open the “Display Page” pop-up window, and then select the display page which you wish to engage for operation. This requires that the optional DMU-2000 Data Management Unit be installed in the transceiver.

**WORLD CLOCK DISPLAY:**

**BAND SCOPE DISPLAY:**

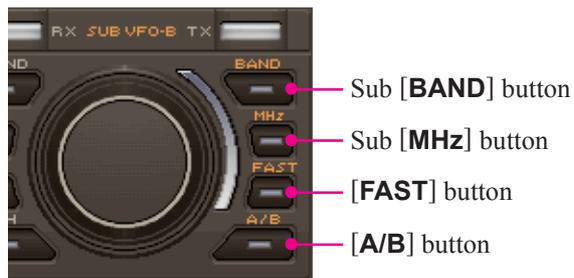
**AF SCOPE/OSCILLOSCOPE:**

**LOG BOOK DISPLAY:**

**TEMPERATURE/SWR DISPLAY:**

**ROTATOR DISPLAY:**

**MEMORY CHANNEL DISPLAY:**



“Display Page” window

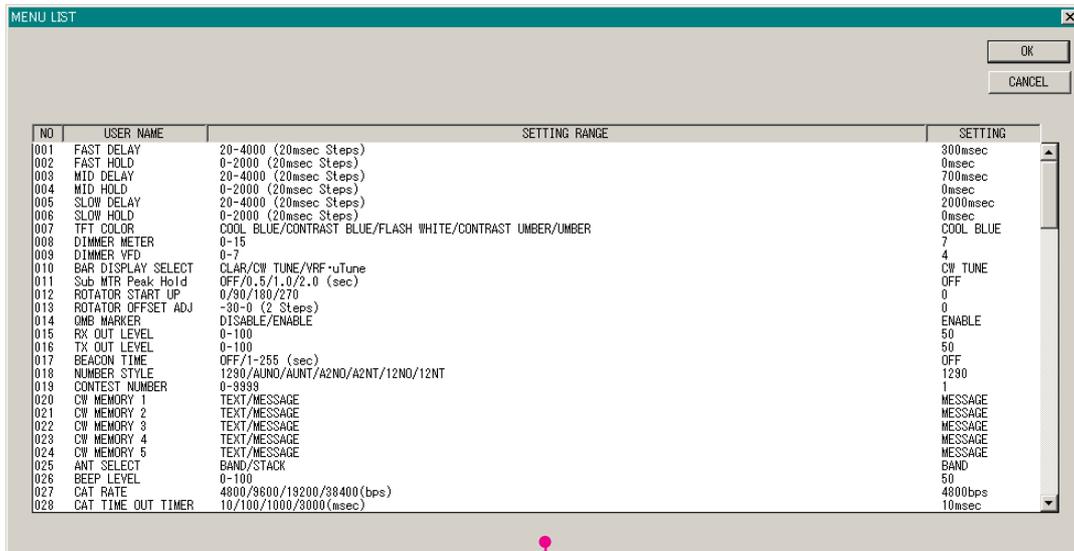
# PCC-2000 REFERENCE BOOK

## MENU OPERATION

1. Click the left mouse button on the [MENU] button to open the “MENU” window.
2. Turn the mouse scroll to select the Menu item you wish to work on, then double click the left mouse button on the Menu item to open the pop-up window.
3. Change the current setting of the selected Menu item, then click the [OK] button to close the pop-up window.
4. Click the [OK] button to save the new setting and close the “MENU” window.

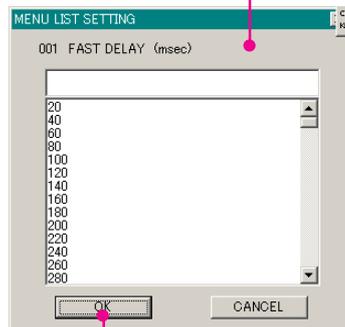


[MENU] button



“MENU LIST” window

“MENU LIST SETTING” window



[OK] button



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