

# Important Changes

- The antenna connector “ANT 3/RX” on the transceiver rear panel may be configured to receive only, with “ANT 1” connector or “ANT 2” connector utilized for transmit.
- It is now possible to select the antenna connector to which the external antenna tuner is connected.
- Filter bandwidth setting of the WIDTH function in SSB mode is extended from 3200Hz to 4000Hz.
- The AMC function that automatically adjusts the audio level so that distortion does not occur even with excessive audio input now always works.

To implement these changes, the setting menu [ANT3 SELECT], and the antenna connector display indications have been changed as shown below:

## Change of setting menu [ANT3 SELECT]

[OPERATION SETTING] → [GENERAL] → [ANT3 SELECT]

**Function:** Operation selections for “ANT 3/RX” connector

**Available Values:** TRX / R3-T1 / R3-T2 / RX-ANT

**Default Setting:** TRX

**Description:** Set the operation of the rear panel antenna connector “ANT 3/RX”.

TRX: Both transmit & receive at the ANT 3/RX connector.

R3-T1: The ANT 3/RX connector performs receive, and the ANT 1 connector performs transmit.

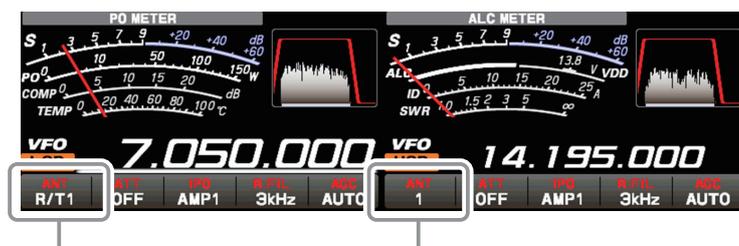
R3-T2: The ANT 3/RX connector performs receive, and the ANT 2 connector performs transmit.

RX-ANT: Receive and transmit operations are prohibited at the ANT 3/RX connector.

## Change display of selected antenna connector

Here is the procedure for ANT3 SELECT if it is the first time setting or the FTDX101D is Factory Reset.

1. Select [OPERATION SETTING] → [GENERAL] → [ANT3 SELECT] (default is TRX).
2. **Example:** Select “R3-T1”.
3. Back out to Main Display- notice ANT on display has not changed- It still reads 1 (Default).
4. Touch [ANT] and then Select “R/T1”.
5. Now ANT shows “R/T1”.
6. Now to change to another selection, repeat Step 1.
7. **Example:** “R3-T2”.
8. Return to Main Display, ANT reads correctly- “R/T2” without using Step 4.



Display	Function
1	Transmit & receive at the ANT 1 connector.
2	Transmit & receive at the ANT 2 connector.
3	Transmit & receive at the ANT 3/RX connector.
R/T1	The ANT 3/RX connector performs receive, and the ANT 1 connector performs transmit.
R/T2	The ANT 3/RX connector performs receive, and the ANT 2 connector performs transmit.
RANT	Receive and transmit operations are prohibited at the ANT 3/RX connector.

## Change of setting menu [TUNER/232C SELECT]

[OPERATION SETTING] → [GENERAL] → [TUNER SELECT]

**Function:** Internal and external antenna tuner settings

**Available Values:** INT/EXT1/EXT2/EXT3

**Default Setting:** INT

**Description:** Select whether to use the “built-in antenna tuner” or the “external antenna tuner”. When using an external antenna tuner, select the antenna connector to be connected.

INT: Use the built-in antenna tuner. External antenna tuner cannot be used.

EXT1: Use an external antenna tuner connected to the ANT 1 connector.

EXT2: Use an external antenna tuner connected to the ANT 2 connector.

EXT3: Use an external antenna tuner connected to the ANT 3/RX connector.

**Note:** The RS-232C terminal cannot be used while using the external antenna tuner.

The built-in antenna tuner cannot be used with an antenna connector connected to an external antenna tuner.

## Change filter bandwidth of WIDTH function (SSB mode only)

Previous: 300Hz to 3200Hz

New settings: 300Hz to 4000Hz

**Note:** There is no change in filter bandwidth settings other than SSB mode.

## Changing setting menu [PROC TYPE]

[OPERATION SETTING] → [TX AUDIO] → [PROC LEVEL]

**Function:** Sets the level of the AMC function and the speech processor function compression level adjustment.

**Available Values:** COMP/AMC

**Default Setting:** AMC

**Description:** COMP: Press the [MIC/SPEED] knob to turn the speech processor function ON and then adjust the compression level with the [PROC/PITCH] knob.

When the speech processor function is turned OFF, the level of the AMC function may be adjusted with the [PROC/PITCH] knob.

AMC: The [PROC/PITCH] knob acts as the level control knob for the AMC function, regardless of whether the speech processor function is ON or OFF.

## Changing the function of AMC & Speech Processor

The AMC function that automatically adjusts the audio level so that distortion does not occur even with excessive audio input now always works. The [PROC/PITCH] knob acts as a level control knob for the AMC function.

To adjust the compression level of the speech processor function, please do the following:

1. Press the [FUNC] key.
2. Select [OPERATION SETTING] → [TX AUDIO] → [PROC LEVEL].
3. Select [COMP].
4. Press the [FUNC] key to save the new setting and exit the Setting Menu.
5. Press the [FUNC] key to exit to normal operation.
6. Touch the left meter area on the display to select the “COMP” meter.  
The transmit meter becomes the “COMP” meter.
7. Press the [MIC/SPEED] knob.  
While the Speech Processor function is active, the [PROC/PITCH] knob acts as a compression level adjustment knob.
8. Press the PTT switch on the microphone, and speak into the microphone in a normal voice level.
9. Adjust the [PROC/PITCH] knob to set the compression level within 10 dB.
10. To switch the Speech Processor OFF, press the [MIC/SPEED] knob once more.  
The [PROC/PITCH] knob acts as a level adjustment knob for the AMC function.