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”.

### Display Function

<table>
<thead>
<tr>
<th>Display</th>
<th>Function</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Transmit &amp; receive at the ANT 1 connector.</td>
</tr>
<tr>
<td>2</td>
<td>Transmit &amp; receive at the ANT 2 connector.</td>
</tr>
<tr>
<td>3</td>
<td>Transmit &amp; receive at the ANT 3/RX connector.</td>
</tr>
<tr>
<td>R/T1</td>
<td>The ANT 3/RX connector performs receive, and the ANT 1 connector performs transmit.</td>
</tr>
<tr>
<td>R/T2</td>
<td>The ANT 3/RX connector performs receive, and the ANT 2 connector performs transmit.</td>
</tr>
<tr>
<td>RANT</td>
<td>Receive and transmit operations are prohibited at the ANT 3/RX connector.</td>
</tr>
</tbody>
</table>
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.
   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.