

Operating CW with the IC-7300

1. Set CW Rise Time
2. Set TX-Delay
3. Connecting Non-Icom Amp
4. Set Full/Semi BK
5. Set CW VOX Hang Delay

(1)

You MUST Change the CW Rise Time

Full Manual (page 4-21):

DANGER

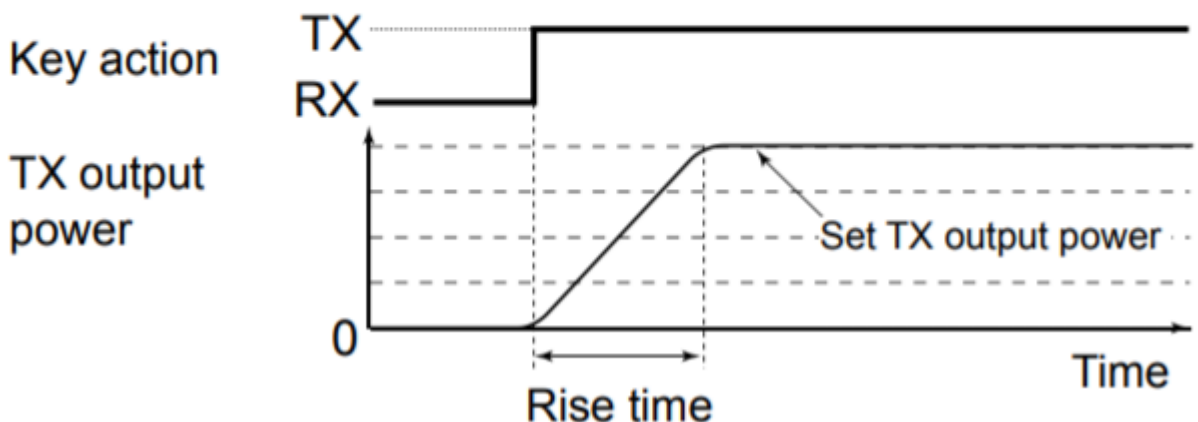


Rise Time

(Default: 4ms)

Set the rise time of the transmitted CW envelope.

- Set to 2, 4, 6 or 8 milliseconds.



**The default Rise Time is just 4ms.
This setting will cause Key Clicks!
Set Rise Time to at least 6ms.**

Settings for Keying an External Non-Icom Linear Amplifier

TX Delay sets the delay time that the 7300 waits after keying the Ext. Amp Key Line (Pin-3 of ACC), before it starts sending RF.

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(2)

TX Delay HF (Default: OFF)

TX Delay 50M (Default: OFF)

TX Delay 70M* (Default: OFF)

Sets the TX delay time on the HF, 50 or 70 MHz band.

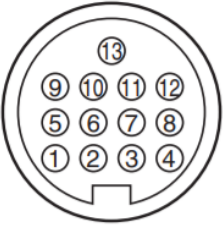
① If an external equipment's rise time is slower than that of the IC-7300, a reflected wave is produced and it may damage the IC-7300. To prevent this, set the appropriate delay time so that no reflected wave is produced.

① Select "OFF" for no rise speed.

*Depending on the transceiver's version, this item may not be displayed.

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• ACC socket

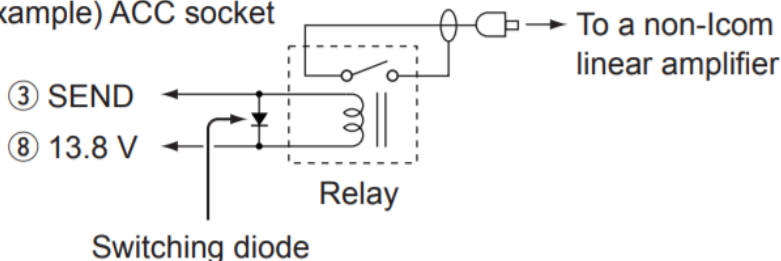
ACC	PIN No.	NAME	DESCRIPTION	SPECIFICATIONS
13-pin  Rear panel view	1	8 V	Regulated 8 V output. (Used as the reference voltage for the band voltage.)	Output voltage: 8 V \pm 0.3 V Output current: Less than 10 mA
	2	GND	Connects to ground.	—
	3	SEND*1	Input/output pin.	An external unit controls the transceiver. When this pin goes to ground, the transceiver transmits. The pin goes low when the transceiver transmits.

*1 When the SEND terminal controls an inductive load, such as a relay, a counter-electromotive force can malfunction or damage the transceiver. To prevent this, we recommend adding a switching diode, such as an 1SS133, on the load side of the circuit to absorb the counter-electromotive force. When the diode is added, a delay in relay switching may occur. Be sure to check its switching action before operating.

(3)

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(Example) ACC socket



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CW VOX Hang Delay sets the time that **Pin-3** on the **ACC** socket remains keyed after the radio has stopped transmitting. Adjust as desired. **(Only works in Semi-BK mode).**

(4/5)

Note: Hang-Delay should be set to assure the Amplifier's TR Relay remains keyed until **AFTER** the radio has stopped transmitting. I use "6" in the display.

◇ **About the Break-in function**

Use the Break-in function in the CW mode to automatically switch between transmit and receive when keying. The IC-7300 is capable of Semi Break-in and Full break-in modes.

TIP: The key type is set to "Paddle" by default. You can select the keyer type on the CW-KEY SET screen. (p. 4-14)

Semi Break-in operation

In the Semi Break-in mode, the transceiver transmits when keying, and then automatically returns to receive after a preset time after you stop keying.

1. Select the CW mode.
2. Push **VOX/BK-IN** to display "BKIN."
 ① Pushing **VOX/BK-IN** selects "BKIN (Semi Break-in)," "F-BKIN (Full Break-in)" or OFF (no indication).



3. To adjust the Break-in delay time, hold down **VOX/BK-IN** for 1 second.
 - Opens the BKIN menu.
4. Set to where the transceiver does not return to receive while keying.



- ① When you are using a paddle, push **(MULTI)** to display the Multi-function menu, and then adjust the **KEY SPEED** while operating the paddle.



5. To close the BKIN menu, push **(EXIT)**.