

Convenient for receiving

◇ All operating modes

Preamplifiers and Attenuator (p. 4-3)

Use one of the Preamplifiers when receiving weak signals and use the Attenuator to prevent distortion when receiving strong signals.

Notch Filter (p. 4-9)

Automatically attenuates beat tones, tuning signals, and so on.

- In the SSB or AM mode:
Use the Auto notch or Manual notch.
- In the CW or RTTY mode:
Use the Manual notch.
- In the FM mode:
Use the Auto notch.

RX HPF/LPF (p. 12-3)

Sets the receive audio high-pass filter and low-pass filter cutoff frequency in 100 Hz steps.

MENU » **SET > Tone Control > RX**

◇ SSB, CW, RTTY, and AM modes

Noise Blanker (p. 4-8)

The Noise Blanker eliminates pulse-type noise.

Noise Reduction (p. 4-9)

The Noise Reduction function reduces random noise components and enhances desired signals that are buried in noise. The DSP (Digital Signal Processor) does the random noise reduction.

AGC (p. 4-4)

The AGC (Auto Gain Control) controls the receiver gain to produce a constant audio output level, even when the received signal strength greatly varies.

Twin PBT (p. 4-5)

To reject interference, the Twin PBT (Passband Tuning) electronically narrows the IF passband width by shifting the IF frequency slightly outside of the IF filter passband.

◇ SSB, AM and FM modes

Receive Audio Tone Control (p. 12-3)

You can adjust the receive audio bass and treble.

MENU » **SET > Tone Control > RX**

◇ SSB-D, CW and RTTY modes

1/4 function (p. 3-5)

The dial speed is reduced to 1/4 of the normal speed, for finer tuning control.

◇ CW mode

Auto Tuning (p. 4-16)

The transceiver automatically tunes the desired signal within the ± 500 Hz range.

Convenient for transmitting

◇ SSB, AM and FM modes

VOX function (p. 4-10)

The VOX (Voice-Operated Transmission) function switches between transmit and receive with your voice. This function provides hands-free operation.

Transmit Monitor (p. 4-11)

The Monitor function enables you to monitor your transmit audio.

Audio Tone Control (p. 12-3)

You can adjust the transmit audio bass and treble.

MENU » **SET > Tone Control > TX**

◇ SSB mode

Speech compressor (p. 4-12)

The speech compressor increases average RF output power, improving signal strength and readability.

Transmitter Filter Width (p. 4-14)

You can select WIDE, MID, and NAR compression bandwidths.

MENU » **SET > Tone Control > TX**

◇ CW mode

Break-in function (p. 4-15)

You can use the Break-in function to automatically switch the transceiver between transmit and receive when keying. The IC-7300 is capable of Full Break-in and Semi Break-in mode.