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Icom Announces New IC-7850 High Frequency (HF) Amateur Radio at Tokyo Ham Fair 2014

KIRKLAND, Wash. (August 2014) – Icom Inc. introduces the new IC-7850, an HF/50MHz transceiver. Pre-release information for Icom's newest ham radio rig was recently shared at the JARL Ham Fair 2014 (Tokyo Ham Fair 2014), which took place on August 23-24 in Japan. New IC-7850 features include but are not limited to: optimized roofing filter, new first local oscillator (LO) design and enhanced spectrum scope. Approximately 150 IC-7850 units (worldwide) will be released as a limited edition to commemorate the company's 50th anniversary. Availability date and pricing will be announced at a later time.

The IC-7850 perfects HF operation with new features such as a 1.2kHz optimized roofing filter to improve in-band adjacent signal performance. The new radio's up-conversion design supports a dynamic range that outperforms competitors' similar models in the 2 to 10 kHz separation tests. Unlike HF rigs that use a conventional voltage controlled oscillator for the



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1st LO, the IC-7850 employs a direct digital oscillator (DDS) with a voltage controlled SAW oscillator (VCSO). This new 1st LO design sets a new benchmark for phase noise with -150dBc/Hz at 10kHz offset (and -140dBc/Hz at 1kHz offset).

Icom's IC-7850 also features the spectrum waterfall function found in the manufacturer's IC-7700 and IC-7800 upgrade models. The high-resolution waterfall screen shows the changing amplitude of frequencies over time. An enhanced spectrum scope promotes fast and accurate scan and can be operated with PC mouse via USB port. A dual scope function shows simultaneous activity in both bands. This is useful for searching a sub-band while maintaining a run frequency on the main band.

For more information on the IC-7850 HF/50MHz transceiver, including complete features and release date, visit Icom America's website regularly at www.icomamerica.com/amateur.

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