

**ianews**, your connection to Icom America's Land Mobile Division! Keep up with the latest products, news and technical information in this newsletter.

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## Icom Extends Its Family of IDAS™ Radios

Icom's excited to announce the release of two new, simplified IDAS™ analog + 6.25kHz digital mixed-mode radios: the IC-F5121D/F6121D mobile and the F3101D/F4101D portable. These more-affordable IDAS models are designed for the general business and industry markets. They're "Everything You Expect in a Business Radio, Plus Digital".

Ideal for schools, transportation, and delivery fleets, these streamlined new IDAS radios offer simple, straightforward operation. Dual-mode capability allows users to integrate the F3101D series portable and F5121D series mobile into a current analog system for gradual transition to an IDAS digital 6.25 kHz system. The radios can be used in both conventional and single-site trunked systems.

"The F5121D and the F3101D both offer the advantages of digital communications at a very competitive price point," says Mark Behrends, Icom National Sales Manager. "It provides outstanding audio quality and expanded coverage using very narrowband channels for a more efficient use of spectrum. This is particularly beneficial in urban areas, where FCC licenses are in high demand."

### Go Digital. No Repeater Required.

Another advantage of these general-use IDAS radios is they don't require the purchase of an expensive repeater. This helps make IDAS a more affordable, easy solution for many smaller companies.



**IDAS™**  
ICOM DIGITAL ADVANCED SYSTEM

Analog features common to both radios include: built-in CTCSS/DTCS, 2-tone, 5-tone & MDC1200; time out timer; and 12.5kHz/25kHz in VHF & 12.5kHz in UHF. Common digital features include RAN, talk group, and individual ID.

Additional features unique to the F5121D series include: 128 channels and 8 zones; 8 character alphanumeric display; 4W front mounted speaker; GPS receiver connection with optional ACC cable; lone worker function; power-on password function; and microphone hanger action programmable.

Unique features to the F3101D include: 16 channels; MIL-STD 810 and IP54 rating for dust protection and water resistance; BP-265 1900mAh Li-ion standard battery; 800mW loud audio; channel announcement; automatic scanning and priority scan; low battery alert with blinking LED and low battery beep; 3-color LED; 2-step power save; talk around function; and priority scan allows user to monitor 1 or 2 priority channels. Icom America sells the portable bundled with a rapid charger (RC) in the box with the radio.

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## Meet Your Icom Team

### Icom America's Service Team



Icom's Bellevue Service Team does it all, from fielding customer calls, receiving packages, repairing radios, packing and shipping, and running the parts department. (Did you know that Icom's parts department stocks over 25,000 parts?)

From left to right: Dwayne Black, Service Manager; Jimmie White; Cristina Parmley; Mary Scanlon; Ellen Pardee; Lorie Phillips; Dan Miles, Service Supervisor; Kevin Wilson (hiding in back); James Degagne, Parts Supervisor; Dave Parson; Kurt Boehm; Brian Tobin; Daniel Benzon; Don Anderson; Taylor Stokes; Finn Saxegaard; Chuck Coulson

Not pictured: Paul Kao, DJ Rigney

## Introducing the F5011/F6011 Mobiles

Icom's new entry level mobiles combine simple operation with versatile functions and rugged construction. The F5011/F6011 replaces the long time favorite F121S & F221S low end mobiles in Icom's model lineup.

These new analog-only radios offer enhanced frequency coverage (400-470 and 450-512 MHz), simple operation and rugged MIL-STD 810 construction. The F5011/F6011 also sport programmable wide/narrow channel spacing for each channel.

### Additional features include:

- Powerful 50W (VHF), 45W (UHF) output
- 4-watt front-mount speaker
- Enhanced scan features, including priority scan, TX channel and talk back functions

- 8 Channels
- P0-P3 programmable buttons that allow you to customize the radio to suit your needs
- Built-in CTCSS/DTCS, 2-tone, 5-tone, MDC1200
- A priority scan function, which allows you to monitor one or two priority channels while scanning other non-priority channels
- Tx channel and talk back functions that allow you to make a quick
- 4W front mounted speaker
- Optional ACC cable
- Power-on password function
- Time out timer
- Microphone hanger action programmable



For People Who Make Smart Choices

### Accessory of the Month

#### OPC-2078 & OPC-1939 Accessory Cables



The OPC-2078 is a 25-pin type and the OPC-1939 is a 15-pin type. Suitable for multiple Icom mobile radios including the IC-F5021 (shown in photo), These types of accessory cables allow for ignition sensing, external PTT, PC command, horn honk, audio output, modulated signal input, and more.



## New Icom Radios From Other Divisions

Icom's innovation marches on inside and outside of the land mobile radio industry. Here's the latest new good stuff:

### IC-M24



In our marine division, Icom's launching the IC-M24, a floating VHF handheld that offers several key features: its the smallest floating marine radio on the market, and nearly 1/3 smaller than its predecessor; AquaQuake™, a feature that uses low frequency audio to remove water from the speaker grille; and Icom's smallest and "greenest" Li-ion battery ever that still delivers 5W of peak output power.

But perhaps the most notable feature of the M24 is its "Float 'N Flash feature. If the radio gets dropped overboard, it flashes a red LED light – whether the radio is turned on or off.

Icom brought the first floating radio to this market in 1997. Now in its third generation, Icom's M24 continues this company's proud heritage of innovation, performance and value.

MAP price of the M24 is \$179. Available late February.

Icom's amateur division just introduced the IC-7410, a HF + 6M transceiver that brings the latest in advanced Digital Signal Processing (DSP) to an everyday ham rig.

The 7410 sports much of the same digital performance of its big-brother, top-cabin siblings. The MFLOPS speed

of the 7410's DSP chip is up to 20 times faster than the unit it replaces in Icom's model lineup.

### IC-7410



An impressive +30dBm third-order intercept point (IP3) in 14MHz is found under the hood. When used with the optional FL-430 and FL-431 filters, narrow mode signals are protected from adjacent inband signals. The 3kHz first IF filter is especially effective in the CW and SSB modes.

A standard type B USB connector can be found its back panel. Modulation input, audio output, RTTY demodulator output and CIV command can be controlled via the USB cable. Also, a conventional CI-V remote control jack is built in to the IC-7410.

The 7410 uses an impressive, one-piece cast aluminum heat sink to efficiently reduce normal operating temperatures. A high stability TCXO crystal oscillator provides ±0.5ppm of high frequency stability over a wide temperature range (0°C to +50°C) for many hours of operating enjoyment.

Already FCC approved, the IC-7410 is still pending pending a launch date in the US market and a recommended retail price. Also coming soon for the 7410 is optional remote control software: The RS-BA1 allows you to use the IC-7410 from another room using your home network or even from a remote location over the Internet. Most settings such as filter width, AGC constant, etc, can be controlled from your PC.

Pricing for this new accessory is not yet available.

*For People Who Make Smart Choices*

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## ICOM's STATEMENT ON DMR

Icom is fully and unequivocally committed to the promotion and adoption of FDMA 6.25kHz technology world-wide. For example, In Europe we support and sell dPMR compliant products ([www.dpmr-mou.org](http://www.dpmr-mou.org)), in the US, it is NXDN™ technology and products, and in Japan it is an ARIB standards based 6.25kHz FMDA technology. An alternative technology is DMR, a European standard, which is based on TDMA 12.5kHz protocol. In the US, the alternative to NXDN is MotoTRBO™, which is based on DMR.

Icom has no plans to manufacture DMR products.

Icom's membership in the DMR Association is due to a long established involvement in the ETSI standards making body. It is common, if not imperative, for leading manufacturers to participate in industry bodies worldwide. Icom is a member in the TIA/PTIG in the USA, ARIB in Japan and ETSI's dPMR/DMR in Europe for example. Many of our competitors are also members of the same bodies. Do not be misled by anyone, including the DMR Association website, who implies Icom's participation in DMR is anything other than what it is, Icom's commitment to standards development in the worldwide Land Mobile community.

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