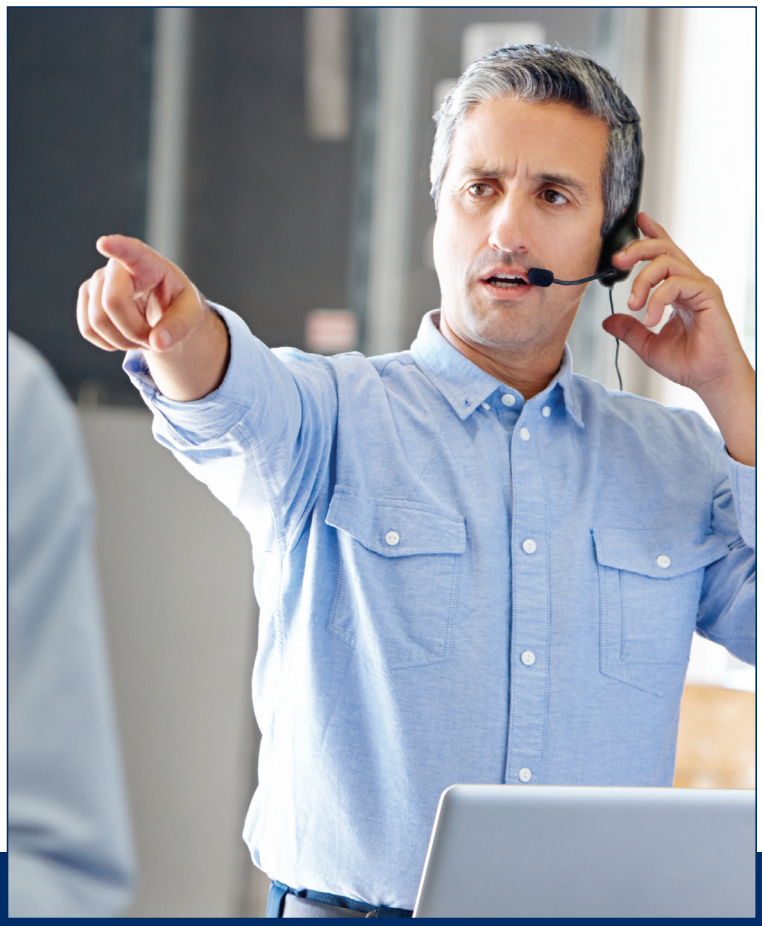
Revolutionary IP Advanced Radio System

The ICOM IP Advanced Radio System is an innovative communication solution that works over wireless LAN (WLAN) and IP networks. The system utilises a network controller and remote communicators to provide secure conversation via WLAN security protocols and is totally licence-free. When a communicator is connected to an (optional) headset, the system is capable of hands-free, full-duplex communication, allowing users to transmit/receive (talk/hear) concurrently.

This new technology is already becoming a viable alternative to traditional digital two-way radios systems, within all manner of industry sectors. Being fully-duplex and having the ability to be installed in a building with an existing WI-Fi system, make this a sound choice for businesses considering this technology. The system can be used like a trunked radio system with individual and group calling. The controller has the technology to make group calls, connecting individuals by giving each handportable a personality on the system. It is a direct replacement to trunking with additional capacity, but using a different technology.

The cost implications against traditional analogue and digital trunked technology are huge and could see big savings.



What are the implications of this new technology for radio dealers? If a dealer is experienced with IP-linked sites, the IP Advanced Radio System would not be any more complicated. If not, the dealer would need to understand IP, MAC address, SS ID's, as it is a computer language and not a to radio language.

In terms of installation, an IP system is much easier to install. To install communications in buildings you would traditionally use a distributed antenna system installed in a lift shaft, for full coverage. Now with the ICOM IP Advanced Radio System, the process is much simpler. Wireless access points are placed in the building to gain coverage.

The scope of this new technology is wide and there are strong reasons for the radio industry to move towards this new technology. You would find it nearly impossible to get a licence for a UHF2 radio scheme in London; it is simply not there anymore.

Initial enquiries and field tests have been made at a variety of sources including; mines, sports stadia and skyscrapers. The diversity of the IP system seems to be limitless and suitable for any two-way business radio requirement.

Consider an ICOM IP Advanced Radio System!

For more details about the ICOM IP Advanced Radio System visit http://www.ipradio.co.uk. Alternatively, contact our team today on 01227 741741 or via systems@icomuk.co.uk

Flip the page to see the benefits of ICOM IP Technology

Benefits of ICOM IP Technology

Hands-free full duplex comms (with optional headset)	With an optional headset, IP100H users can talk and receive simultaneously. just like a phone call. Hands-free operation allows staff to multi-task.
No licence fee - No call charge	Radio licences are not required for this system, when using a standard wireless networking infrastructure. The system uses IEEE 802.11 a/ b/ g/n.
Secure Encrypted Communication	The wireless security protocols WPA-PSK and WPA-PSK2 encrypt calls.
Excellent Audio Quality	Since communication over a WLAN offers a wider frequency bandwidth and QoS priority packet delivery, the sound quality is higher than in a traditional radio communication system and is comparable to regular telephone communication.
Lightweight, Compact Waterproof and Dustproof (IP67)	The handportables are a good size and robust. They are IPX7 waterproof (1m depth water for 30 minutes) and ideal for indoor and outdoor work, including wet environments.
All Call / Group Call / Individual Call and Access point Call	The IP100H/IP100FS can make individual calls, group conference calls, all calls and area calls. The unique area call function allows you to contact users accessing the specified access point. Staff spread across an extended site, such as a hotel, can communicate seamlessly.
Customisable Dispatcher Software	Optional IP100FS software receives location information about each transceiver based on the access point to which it is recorded and represents it graphically on the screen. In a network consisting of two or more access points connected via IP, a transceiver can roam from one access point to another without losing contact.
Remote monitor / Stun / Revive	In an emergency, the IP100FS can force an individual IP100H to transmit anything the microphone hears to identify the situation. If the IP100H is used by an unauthorized person, a remote 'kill' command can be sent to disable the unit.
Over the Air Programming	You can dial and reprogram over the air with VPN access. After an initial system set up, the IP1000C can program most radio configurations over the air (no cable connection required).
Status & Short Message Data	Pre-stored status messages from a handportable and a low cost dispatcher are ready to go.
20 or 100 User Systems Available	The IP1000C remote communicator controls voice traffic and 20 or 100 terminals (depending on version).
Connect with Dispersed Sites	If connected over an Internet VPN, the ICOM IP system expands communication to dispersed sites. With the ICOM optional VE-PG3 RoIP gateway, the IP advanced radio system interconnects with IP phones as well as analogue or IDAS™ digital transceivers and mobile phones (via a SIP server). Another option is a new interface currently being developed by ICOM UK, which will work together with IDAS dPMR, NXDN and analogue radio systems.
Vibration Alert Function	Vibrating function for incoming calls, (optional on or off).
Up to 20 Hours Battery Life	The IP100H can operate for up to 20 hours on the BP-271 Li-Ion battery pack. This can be charged within 2 hours using the BC-202 desktop charger.
Internal or External antenna	The built-in antenna can be used even without the external antenna in a wireless network.

For further information visit our microsite: www.ipradio.co.uk or call 01227 741741.

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Count on us!