



IRIS

Independent Radio & Intercom System

INTRODUCING IRIS



IRIS is an independent voice communication system running on VoIP technology which can be used in numerous contexts and environments.

This smart solution does not require expensive hardware and works with any common USB headset or microphone.

In an advanced setup **IRIS** provides interfaces to professional hardware manufacturers such as Imtradex, PEITEL or Plantronics ATC/Aviation Line. Multiple audio devices can be used on one **IRIS** station simultaneously. These devices are then individually configured as input/output for radio or telephone (or both). **ROSE Simulation** will recommend and provide audio devices as well as PTT-hardware on request.

Radio Com Options

Each **IRIS** station has the ability to separately define and lock hundreds of different frequencies (either **TX: Transmit & Receive** or **RX: Receive**) and communicate to all on those frequencies via push-to-talk.

Telephone

Message queue, hold line feature and different call priorities are just a few examples demonstrating **IRIS'** powerful telephone features.

Each working position may take on several roles and aliases at the same time. Depending on the scenario this multi-role concept enables a single user to act in different functions from one position, e.g. as supervisor, fire brigade or airport authority. The flexible setup allows the definition of hundreds of different telephone roles.

Urgent information can be transmitted either as **Priority Call**, which is specifically highlighted at the target's position, or as **Direct Call** for an immediate connection. In addition, **IRIS** provides **Shoutbox** functionality.

General Call

IRIS offers a unique **General Call** functionality, enabling communication on a meta level. With just one click an exercise supervisor can talk to all participants simultaneously, e.g. to inform them about the status or progress of a joint exercise.

IRIS can be used in combination with **ROSE** and/or **AMOS**. Being an independent VoiceCom module, **IRIS** can also be used as a communication system for any other application or even stand-alone.

Administration Information

The installation of the **IRIS** VoiceCom system takes less than two minutes. At start-up, **IRIS** can be configured to automatically connect to other **IRIS** stations and immediately select a number of frequencies and telephone roles. Maintenance of the application is reduced to a minimum.

- ▶ Operating system: Windows 7 or higher
- ▶ Connectable stations: more than 60,000

Adjustable Transmission Quality

- ▶ Bit rate (8 bit or 16 bit)
- ▶ Sample rate (between 8000 Hz and 44100 Hz)

FACTS AND FIGURES

Layout Editor

IRIS is designed to work on a TID - frameless, if needed - and also as a desktop app.

The configuration of the layout is completely customizable. The user has numerous possibilities to design the size of the application as well as the position and display of each individual layout element.

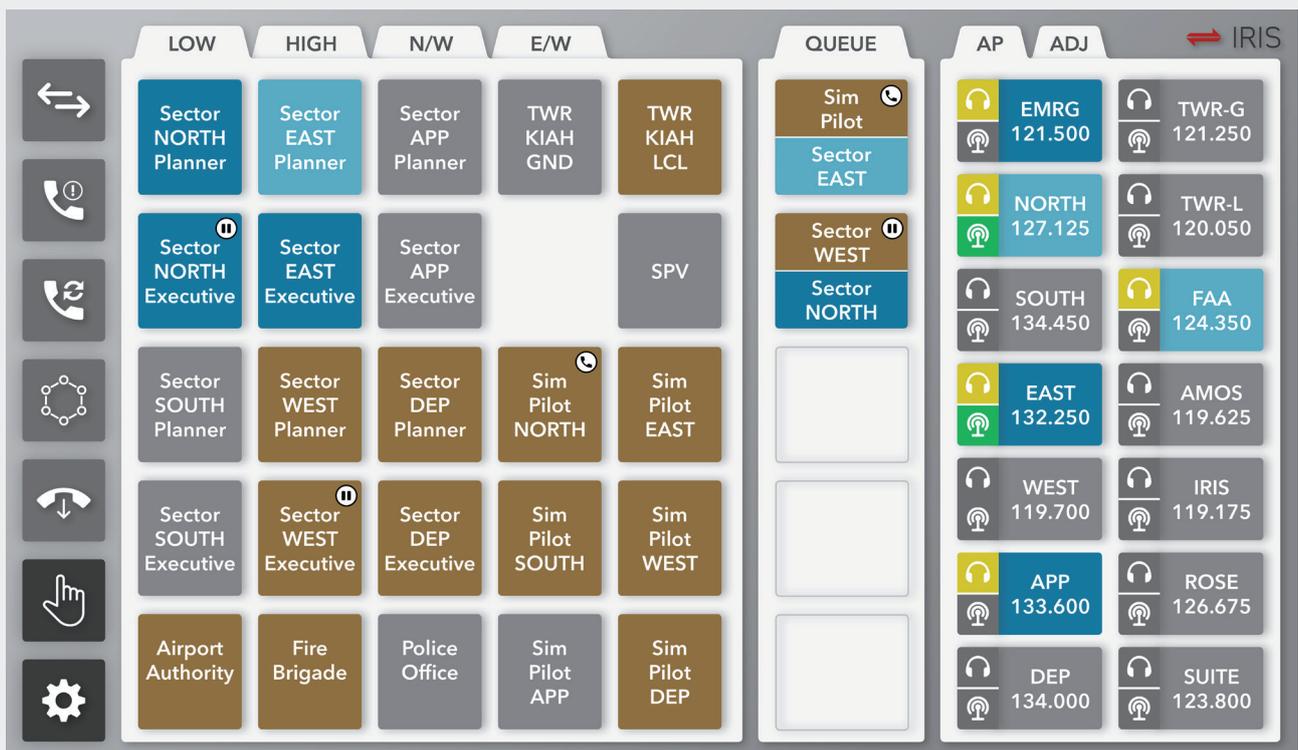
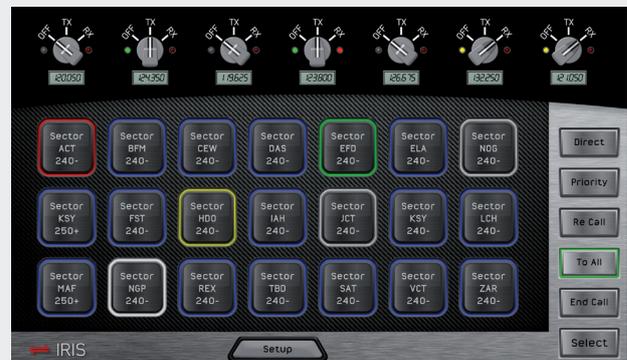
Button states can be designed flexibly. Some examples of frequency button states can be:

- ▶ State (A): Frequency is locked for TX/RX
- ▶ State (B): Frequency is locked for RX only
- ▶ State (C): Frequency is not locked
- ▶ State (D): Active transmission on a frequency

The same flexibility applies to the states of any other button, e.g. for telephone, message queue end-call, etc.: All are adaptable and can assume any appearance.

The layout editor is an integral part of the IRIS system and therefore available to all users of the application. The creation of a customer-specific layout does no longer require development work by the manufacturer. Using the built-in editing functions the user now has all the possibilities on hand to either develop or rebuild any VoiceCom system layout.

Layout Examples





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