

# MINI COMMUNICATION SYSTEM

Flexible, reliable & scalable maritime communication

Remote-controlled VHF Radio Communication System for small ports and coastal regions

Danphone's mini IP-based Communication System has been specifically designed with an eye to small ports and coastal regions requiring just one or two transceivers to cover the need for VHF communication with vessels and portable radios within the area.

The transceivers are remote-controlled over TCP/IP network from a single touch monitor with integrated PC.

Due to the modular system design, additional transceivers, operator positions and system facilities such as DSC capability and PSTN connections can be easily implemented.

## KEY FEATURES

ITU and IMO compliant	TCP/IP network based
Multi-channel VHF transceivers	Voice over IP
Output power adjustable between 1 - 75 Watt	Full remote control via touch screen operation
Frequency range: 156 - 163 MHz	Specifically designed and manufactured for 24/7 operation
MTBF > 50,000 hours	Modular design enables future expansion
Same proven control software as installed in Danphone Coastal Radio Systems around the world	Network Management System offering remote system configuration and fault diagnosis

## RELIABLE 24/7 COMMUNICATION

The VHF radio sites are built around Danphone's renowned coast station transceiver type DCB9140 IP.

With up to 75 Watt continuous output power the transceiver can be set up to any international marine channel in either simplex, semi-duplex or full duplex operating mode.

The transceivers with power supply and site controller are supplied in a standard 19" table mini cabinet, WxHxD = 562x433x540 mm. The cabinet allows for two transceivers side by side. The equipment can also be supplied in a weatherproof cabinet for outdoor installation.

The VoIP based audio is transferred over LAN to the voice switch application installed on the operator PC and further on to the audio hub and its peripherals (microphone, speakers, headset, etc.).

The operator position includes a touch monitor with integrated PC, a microphone with Push-to-Talk button and two loudspeakers, one for traffic and one for monitoring. An easy and simple-to-use set-up for the operator. The control and switching system does not require any expensive server equipment and all software is installed on the operator PC. The mini communication system is flexible and reliable and contains all the operator needs in one small set-up.



The system features an instant recording and replaying function, which automatically records all voice communications of the selected radios. Recordings are displayed in the replay panel as individual audio files, which makes it easy to go back and play a specific file. The panel typically displays the previous hour. However, this is configurable and can be set to show up to 24 hours to create a full overview of the recordings.