

# Internet Remote Control Interface AT IP1

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Internet Remote Control Interface Unit – AT IP1 for Codan NGT HF Transceivers

AT IP1 Internet Remote Interface is a network-based that enables Codan NGT series HF transceiver for remote control via a LAN, Internet or wireless WiFi connections.

Operating with all NGT series transceivers and without the need for dedicated and expensive leased lines it is an practical, cost effective and affordable solution to remote control of your Codan HF transceiver.

### Key Features

#### Network Based

The AT IP1 is a network-based remote interface facility for Codan NGT HF transceivers. It communicates through its 10/100MBit Ethernet Interface using standard TCP/IP protocols and can be integrated in existing LAN or WAN infrastructure using inexpensive off the shelf networking equipment.

#### Works with any NGT HF transceiver

The AT IP1 is designed to operate in place of the NGT handset and hence is fully transparent to operate in place of the Codan NGT handset and hence is fully transparent to the NGT model. All current model NGT's are supported (VR, CR, SRx, SR, ASR, AR & Voice).

#### Full access to all Codan NGT HF transceiver features

On the transceiver side a AT IP1 connects in place of regular NGT handset and speaker. On the control side the handset and speaker plugs into a second AT IP1 unit.



Information that the transceiver sends to the LCD display of the handset is relayed via the network and displayed on the remote handset. Similarly, button presses on the remote handset are relayed to the transceiver as if it was a locally attached handset.

Speaker and microphone audio is relayed between the handset and transceiver via the network using advanced VoIP technology.

## Easy configuration

A1



Set up consists of plugging the AT IP1 in to the Ethernet network and connecting it to the transceiver handset and speaker connector through the supplied cables and plugging it into a 12V DC power supply. Then it is only a few easy steps to find or set-up the IP address for the unit. From there further configuration is through a web browser attached to the network.

## How it works

The AT IP1 interfaces between the NGT handset connection and speaker output of the NGT transceiver and Ethernet LAN connection. To the transceiver, the AT IP1 appears as a normal NGT handset.

When another AT IP1 unit acting as the control point connects to the HF transceiver it utilizes Voice Over IP (VoIP) technology to relay the speaker audio to the remote location while also relaying the display contents of the handset to the control location. From the control handset key presses are received and sent to the NGT transceiver as if they come from a local handset. When the user wants to transmit and presses the PTT button, microphone audio from the handset is sent via VoIP to TIP100 at the transceiver unit where it is sent as audio to the NGT transceiver.

## Who can use it

The AT IP1 is designed for any organization that needs to enable HF transceivers for remote access via Ethernet or the Internet.

Used as pair, and using commonly available wireless LAN technology, this allows operation of the HF transceivers from either a few hundred meters, a few kilometres away or even from another country when connected through the Internet.

## Specifications

### User Interface:

Browser based user interface  
2 LED's for status indication

**Transceiver & Handset Interface:**

DB25 Interface Connector with adaptor cable.

**Network Interface:**

RJ45 10/100 Mbit Ethernet (Auto detect)

TCP/IP, UDP, ICMP, DHCP, browser based management (integrated web server), data rate: about 40-150 kbit  
quality dependent, settable

**Power requirements:**

12 VDC input range, approx. 5 Watt

powered separately from the transceiver

**Case:**

aluminium 48- g, 165 mm x 38 mm x 127 mm

**Remote Control - Codan NGT ASR - SR - VR - SRx - HF Transceivers - AT IP1**