

# IHM COM52

Base station remote controller



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The IHM COM52 is used for controlling remote radio base stations via 2- or 4-wire networks and includes AGC and equaliser which automatically compensates for line losses up to 20dB.

Selective calling is supported by standard ZVEI and CCIR tone signalling. Also 5 and 11 tone systems are supported even at the same time.

Further the IHM COM52 holds 7 open collector outputs and 8 A/D converter inputs, and an RS232 port which can be utilised for controlling the radio base station.

## **IHM COM52 is holding the following interfaces:**

- Radio - 4-wire audio + key and squelch.
- Leased line - 2 or 4-wire AC coupled interface.
- AUX - 4-wire audio + key and squelch can be used for a dispatch terminal, a second radio base station, a test handset or for cascade coupling another IHM-COM5x controller.
- RS232 - Two COM ports, one for programming the unit and one for data communications.

## **IHM COM52 interfaces to:**

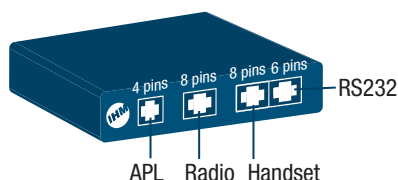
- Tait TB7100, TB8100, T800
- TP Radio BS2000, TP6000, TP929
- Motorola CM, GM Series, MTR 2000, MTR3000
- ICOM 110A
- Sailor 6000 series

With its flexible/programmable radio interface it may also support other types and brands than listed above.

## **IHM COM52 technical specifications**

Supply voltage: 10.8 - 15.6V DC feed from the Base Station, Mobile Radio or AUX equipment.

Current consumption: <200mA



## **Leased line interface**

Leased line interface is transorber protected against high tension and static charging.

Nom. voice level: 245mV/600ohms (-10dBm)

Nom. signalling level: 122.5mV/600ohms (-16dBm)

Max. line loss: 20dB

Connector: PDS 2/4 or 4/4

## **Radio interface**

AF output level min.: -31dBm

AF output level max.: -6dBm

AF input level min.: -20dBm

AF input level max.: 5dBm

TX key output: Relay output

Squelch input: Logical 0 or 1, dual input

Power supply: 12V DC input

Connector: PDS 8/8

## **AUX (Handset) interface**

AF output level: 245mV/600ohms (-10dBm)

AF input level: 245mV/600ohms (-10dBm)

TX key output: Relay output

Squelch input: Logical 0 or 1

Connector: PDS 8/8

## **RS232 port**

COM1: RXD, TXD, GND

COM2: RXD, TXD, GND

Connector: PDS 6/6

## **Dimensions**

Width x Depth x Height:

PCB: 100 x 120 x 10mm

Box: 110 x 130 x 28mm

The IHM COM52 is intended for use as line interface for a Base Station.

Further the IHM COM52 also controls the repeater function, or only controls the repeater function when the leased line is broken. The AUX port can be used for stacking the module with a IHM COM50 or 51 module or just for the use of a test handset.

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