

HA40 SDK Handset

Programmable and IP66 rated handset with PTT button, emergency button, keypad and transfective colour display

Article Number

6540-002-100-51



Characteristics

- Protection class: IP66
- Remote speaker microphone functionality with excellent audio quality through digital signal processing
- Transfective colour display (2.0 inch) - optimal readability in bright ambient light
- Wide operating voltage range (5 V to 32 V)
- SDK for individual applications on the internal flash memory
- Day and night mode (Dark Mode) automatically or manually adjustable
- Side PTT and emergency button
- Integrated microcontroller (ARM 32-bit Cortex-M4)
- Dynamic speaker capsule and electret microphone
- Omnidirectional microphone capsule
- Proximity sensor for automatic switching between remote speaker microphone functionality and private mode
- Fonts for other languages can be installed (e.g. Greek, Classical Chinese, Cyrillic, etc.)
- Headphone port (headset)

Scope of delivery

- HA40 handset with spiral cable
- Wall bracket incl. screws for mounting

Options

- [Minor modifications and individual adaptations](#) on request

Application range

- Ideal for voice input and operation of SATCOM systems (satellite communication)
- Analogue and digital mobile radio systems
- Suitable as input device for various BOS applications
- Mobile communications (e.g. GSM, UMTS, LTE)

Specifications

General

Housing	Plastic, black
Operating voltage	5 to 32 V
Power consumption	Max. 0.8 W/ about 160 mA at 5 V (lighting + audio switched on)
Operating temp.	-30 °C to +70 °C (-22 °F to +158 °F)
Interface	UART V24 level (RS232 default), Baud rate adjustable
Certifications	DIN EN 50155:2018-05 DIN EN 45545-2:2016-02

Microphone Capsule

Amplification	Adjustable in 10 steps, 5 dB each (0 - 9)
Frequency range	200 Hz to 7 kHz at -10 dB
Impedance	approx. 100 Ohm
Sensitivity (in LRGP)	50 mV/Pa (-26 dBV/Pa ± 3 dB) @ 1 kHz; Default: Level 3; customisable

Ear Piece

Amplification	Adjustable in 9 steps, 3 dB each (0 - 8)
Frequency range	200 Hz to 7 kHz at -10 dB
Impedance	approx. 600 Ohm
Sensitivity	12 dBPa/V ± 3 dB @ 1 kHz; Default: Level 1; customisable
Input voltage	Max. 100 mV

Dimensions and Weight

Dimensions	178 mm x 67 mm x 35.3 mm, without cable
Spiral cable length	approx. 650 mm to 3000 mm (extended)
Weight	

Headphone Port (Headset)

Connection	3.5 mm jack socket (CTIA) Automatic recognition and switching with and without microphone
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