

SIB120 - CP3938

New Generation of Audio Management System



SIB 120 consists of a **single equipment** for **two pilots** and **three passengers**.

SIB 120 is a **multifunctional equipment**, very easy to adapt to **most headsets and radio packages** available for general aviation purposes.

It allows pilots to operate with up to :

- 4 transceivers,
- 4 receivers.

It also provides:

- 2 configurable ICS loops,
- 1 music input,
- 1 recorder output,
- 3 warning inputs.



The SIB 120 (CP 3938) is especially designed for the COLIBRI EC120 helicopter. It can be also installed on ECUREUIL AS 350 B3, and replaces the TEAM TB 27 (CP 1766) on older helicopters, without any change to the existing wiring.



SPECIFICATIONS**Electrical power supply**

Supply : 22 V to 32 V.

Power : 12 W.

MTBF

16000 hours

Audio Input

Adjustable from 2,25 to 12,25

VRMS / 600 Ohms

Audio Output

100 mW / 600 or 9,5 Ohms

Bandwith

300 to 5000 Hz

Signal / Noise ratio

> 65 dB

Music Input

775 mV / 600 Ohms

Audio recorder output

300 mV / 2 KOhms

Distorsion

< 5 % at 1000 Hz

Microphone Input

Low level / Low impedance :

90 μ V to 200 μ V / 5 Ohms

Low level / High impedance :

350 μ V to 850 μ V / 75 Ohms

High level :

250 mV to 1100 mV / 100 Ohms.

Anticrosstalk

> 50 dB at 1000 Hz

Transmit microphone output

Typical: 250 mV adjustable

from 60 to 1100 mV

Dimensions

Height : 57 mm

Width : 136 mm

Depth : 170 mm

Weight : 955 gr.

Environmental conditions

DO-160C, Cat.

B2BANXXXDXSABBBBUZKXX

Temperature range

In operation : -45°C to +70°C

Storage : -55°C to +85°C

Altitude : up to 25000 ft.

FRONT PANEL CUSTOMIZATION

The front panel is customized using removable labels, according to the transceivers and the receivers installed on the helicopter.

**INPUT/OUTPUT CUSTOMIZATION**

Easily accessible potentiometers allow quick adaptation of the reception and warning input levels, and transmission output levels.

An 8 bit dipswitch allows headset characteristics configuration :

- Low level/low impedance
- Low level/high impedance
- High level/high impedance

**TEAM**