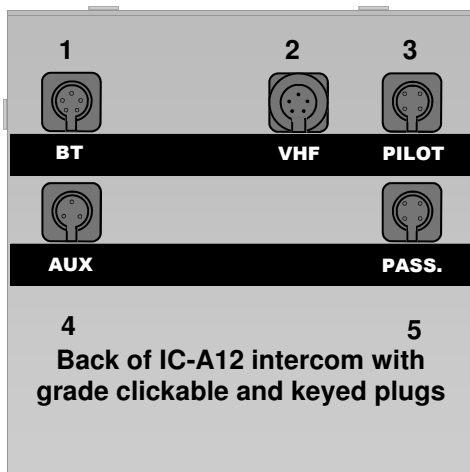




1. To connect a cell phone using our BT-A11 Bluetooth adaptor, and using the optional K13BT cord.
2. To connect an aircraft VHF radio with the K13... cord, suitable for the brand and model of your radio.
3. To connect the pilot headset using the optional CC13... cord.
4. To connect a non cancelled audio source as GPS, smartphone, voice messages from on board instrument ... using the optional K13AUX cord or listening music from a MP3 player, smartphone or any other music source use a 3.5mm single jack, using the K13AUX + K12MU cords.
5. To connect the passenger headset using the optional CC13... cord.



INTERCOM IC-A12

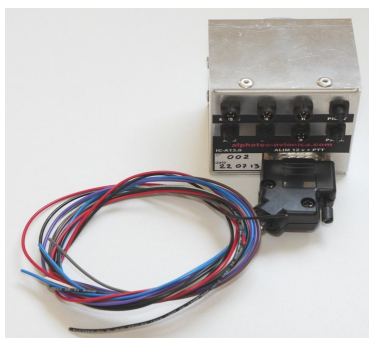
Version 1 August 2014

Users guide



Panel mount mono intercom 57mm inlay diameter for ultralights and light planes, voice activated with adjustable squelch. Civil aviation standard. Pass band filter.

CMS technology (surface mounted components)
12V DC Power supply .



NB : All unused wires must be insulated with heat shrink tubing.

Three interfaces / connectors :

- VHF Radio without automatic lowering of passenger level when pilot emits.
- Cell phone with our Bluetooth BTA-11 adaptor (sold apart)
- Additional auxiliary IN/OUT plug for recording on board communications or listening, without automatic level lowering.

Squelch and volume control on panel.
Voice activated can be completely bypassed.
All interfaces plugs are on the rear panel.
They are professional grade clickable and keyed 10mm plugs.

Housing dimensions : H. 64mm x L. 64mm x P. 75mm
Depth for mounting : 100mm
Weight : 120grs Weight with power cord : 150grs

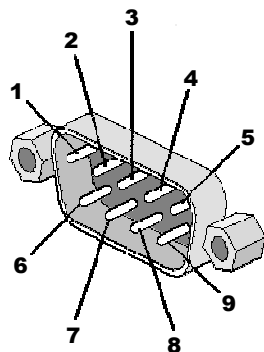
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Supplied with 12V DC power cord connected via DB9 plug, with all PTT input :

- Pin 1 : 0 Volt / PTT ground & frequencies shifting (black wire)
- Pin 2 : UHF PTT (brown wire) not used
- Pin 3 : VHF frequencies shifting (purple wire)
- Pin 4 : VHF PTT passenger (grey wire)
- Pin 5 : VHF PTT pilot (white wire)
- Pin 6 et 7 : Multi-functions button for BT -A11 adaptor, sold apart : answer, end, reject, voice dial, redial, audio transfer. (blue wire)
- Pin 8 : Unused
- Pin 9 : + 12 volts (red wire)

} Connected in parallel



Fuse to install : 200mA.

It's advisable to connect the intercom on a buffer battery instead of the rectifier which does not allow to have a well regulated current, even to use a high current noise suppressor as the NF-A13 filter.

CONNECTION

Refer to the wiring diagram in page 4 of this manual.

OPERATING

After starting the engine, put the ON/OFF switch to ON. Turn to OFF at the end of each flight.

SQUELCH SETTING

Increase or decrease the squelch level (VOX) by turning the left knob.

Turn this knob to the right until the background noises can no longer activate the VOX, while being able to activate easily with the voice.

You must speak loud and clear from the first syllable.

Squelch settings must be regularly changed depending on the ambient noises. If you are unable to get a good setting is that your microphones of your headsets are not suitable to the ambient noise of your plane.

You must replace them for a noise cancelling microphone as our TITANE2 microphone.

Your microphones can also be disturbed by relative wind. In this case, use a large microphone windscreen.

VOLUME SETTING

Increase or decrease the volume level by turning the right knob.

The intercom is power full, optimal setting is between noon and 3 o'clock.

By setting a highest volume, you may amplify the ambient noises that pass into your microphones.

If you need a highest volume, is that your headsets are not noise cancelling enough.

Volume control acts on the two headsets.

You can then change the volume of your headset by turning the volume knob on your headset.

VHF RADIO OPERATION

The VHF radio connected on the IC-A12 intercom is not voice activated. You must push on the PTT button (supplied apart) to transmit and release it after.

Receiving and transmitting radio are on the both headsets.

Be careful your passenger not speak while you are speaking with air control.

Likewise, if your plane is fitted with 2 PTT button, make sure your passenger will not transmit accidentally.

NOTA :

The IC-A12 intercom is not sensitive to interference.

VHF radio may be sensitive to interference.

To prevent problems caused by interference, you must use shielded cable, you must shield the spark plug cap, and you must make sure that your antenna is tuned, with a good ground plane.

If you still have problems despite of all these precautions, we can install our NF-A13 noise engine filter.

AUXILIARY IN/OUT OPERATION

You need the optional K13AUX cord, fitted with a red RCA female plug and a black RCA female plug.

The red plug is an audio output line level, for recording on-board communication.

The black plug is an audio input for receiving information or alarm from GPS or others instruments ...

To connect a MP3 player or other music source, you need to use the optional K12MU cord. You must connect the K12MU on the K13AUX cord.

Music level is not automatically lowering when pilot or passenger speaks or upon receipt of a VHF message.

To use the NK-A13 filter and the BT-A11 Bluetooth adapter, please refer to the manuals instructions supplied with these devices.