

BT VERSION

This version is fitted with two PTT buttons, a red one to activate the radio and a green one to activate the mobile phone.

It also has a 5 pins male connector to connect the BT-A11 Bluetooth interface.

Please, refer to the BT-A11 users guide for use of this interface.

The 5 pins female connector is used to connect the radio as the standard version.

MAINTENANCE

Microphones are very sensitive to humidity.

Never keep the headsets in aircraft or hangar. Store it in a dry place.

Never keep the headsets into the cockpit under the sun, high temperature could damage plastic pieces like ear seals.

You can clean the domes with a soft cloth with alcohol.

Monobloc black ear seals, made from foam are clipped onto the domes. To remove them, take the ear seal by the inner portion and pull forward. So you can easily clean them with soap and water. After complete drying, put ear seals in place.

By the time, ear seals are getting hard. Noise reduction are not so efficient. In order to keep good noise reduction, you must replace the ear seals as soon as they are no more soft. Your comfort will be preserved too.

The visors must be only cleaning with warm water and mild detergent. You must used a soft cloth to wipe them dry.

SPARES PARTS AVAILABLE

Spiral cord, with radio plug

Ear seals, foam or gel

Wind screen, large or small model

Black velvet pouch, to protect headsets

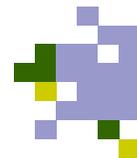
Black helmet bag, for FALCON or ALPHAJET helmets

Visor and Visor fastening, for FALCON or ALPHAJET helmets

Internal padding for FALCON or ALPHAJET helmets

NIMH battery pack,

Battery wall charger



Set INTEGRA PREMIUM S3

Users guide

Version 1, August 2018



Headsets or helmets with two ways intercom with VOX and pass band filter, and NIMH batteries integrated in the ear cups.

High impedance strong noise cancelling microphone with adjustable flexible boom.

Adjustable volume control on each headset with waterproof potentiometer. Radio reception on both helmets, PTT button on pilot headset only.

New ear cups Snr 37dB

The INTEGRA S3 set includes 2 headsets PREMIUM S3, the INTEGRA FALCON S3 set includes 2 FALCON PREMIUM S3 helmets and the INTEGRA ALPHAJET S3 set includes 2 ALPHAJET PREMIUM S3 helmets.

Also available in bi-band version for those who fly with 2M radio and aviation radio, or in BT version for those who want to phone in fly.

The BT version allows connecting our BTA11 mobile phone Bluetooth adapter.

All interconnections are made using high-quality bayonet-locking connectors.

SUPPLIED ITEMS

1 pilot helmet with ICA12 intercom and NIMH batteries integrated in ear cups, fitted with a PTT button (2 PTT buttons on BT version) and a cord to connect an optional radio cable.

1 Passenger helmet

1 switching adapter with locking system for solo operation

1 battery wall charger

2 pouches for headset or 2 bags for helmet

ALPHATEC
AVIONICS

ZAM de Pont des Charrettes
30700 UZES France
TEL 0033 (0)4 66 22 31 97
FAX 0033 (0)4 66 03 02 12
alphatec.aviation@wanadoo.fr
www.alphatec-avionics.com



Accessories available : PTT button with spiral cord and Velcro, PTT button with straight cable, radio cable (CRI1) to connect an air band radio or radio cable with twin RCA (CRI2) to connect also an auxiliary PTT and optional recording cord, gel ear seals, hygienic pad, transparent or brown tinted visor.

Headsets are adjustable. To increase the size of the headset, slide the domes in a downward direction. To decrease, slide the domes in an upward direction until they stop.

Properly fitting the headset to each wearer's head is crucial to performance. The head pad should fit comfortably on top of the head, without space between the head and head pad. The headset should be centered on the head, and the ear seals should comfortably cover the ears, without being placed too far forward on the jawbone or face. If the pressure is not sufficient, twist the metal rod to have a good pressure. It is necessary that the ear cups press against the ears without compressing.

The flex boom microphone is easily adjustable. You just need to twist the flex boom to adjust the microphone. Place it no more than 3mm from the lips to ensure clarity and peak performance of the noise cancelling microphone. Do not twist the flex boom at right angles.

DUAL OPERATION

By simply plugging the two headsets together, the system are automatically switched on establishing two way communication. Disconnect the headsets after use in order to conserve battery power.

The NIMH battery built into the pilot headset provides for a minimum of 70 hours continuous use when fully charged.

All interconnections are made using high-quality bayonet-locking connectors. Always remember to use the bayonet locks : turn the plug after plugging to lock and turn the plug before unplugging to unlock.

SETTING A SQUELCH LEVEL

The intercom has a noise squelch circuit to mute undesired noise while receiving no message. Rotate the front potentiometer to the right side to select the squelch level (VOX) until ambient noise can't activated the VOX, while retaining the possibility to active it easily with your voice.

You must speak loud and clear from the first syllable. Squelch settings are to be changed according to ambient noise.

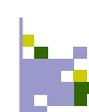
If you can't found a right setting, it is possible that yours microphones are disturbed by relative wind. In this case, it's possible the windscreen used is too small, use a bigger model.

SETTING A VOLUME LEVEL

Rotate the back potentiometer to the right side to increase the volume level of the both helmets.

The correct setting of this control is between 12 and 2 PM. By setting the highest volume, you might increase the ambient noise in the microphones. The passenger can adjust its own volume level by rotate the potentiometer of his helmet.

RADIO TELEPHONY



For radio applications, connect the optional radio cable on pilot headset using the 5 pins bayonet-locking female connector, and on the radio. Intercom is voice activated (VOX), but you must push on PTT button fitted on pilot ear cup headset to transmit or use an optional PTT button with Velcro and spiral cord.

The level of audio received by radio should be adjusted using the transceiver volume control.

The both helmets can receive the radio and transmit. Make sure your passenger not speak while you are transmitting.

NOTA :

The integrated intercom is not sensitive to engine noise. VHF transceivers are most sensitive. If the function is available on your transceiver, use the ANL function to reduce noise components such those caused by engine ignition systems.

SOLO OPERATION

Connect the radio cable on the 5 pins female plug on the pilot helmet and on radio as explained above.

Connect the switching adapter for solo operation at the end of the spiral cord of pilot helmet.

Disconnect this switching adapter after each fly.

CHARGING

It's necessary to do a complete charge before the first use.

Always recharge your headsets after each day's flying and never store a headset with the battery partially discharged. Longevity will be increased.

Connect the wall charger at the end of the spiral cord of the pilot helmet, then plug the charger into a domestic wall socket.

Charge the batteries during 16 hours for the initial charge, and during 12 hours for the others charges.

Do not leave the helmet on charge for more than 16 hours, as this may damage the batteries.

AUXILIARY IN/OUT CORD USE

If you have chose the CRI2 radio cable, your cable is fitted with a black RCA plug and a red RCA plug.

Red RCA plug is an audio output who allows to record all the on board communications using an optional cable.

Black RCA plug allows to connect an auxiliary PTT button, with straight or spiral cord.

BI-BAND VERSION

For those who want to fly with the 2M radio and the air band radio.

A switch on the left pilot ear cup allows to transmit on 2M radio or air band radio, and an connecting cable Y-shaped allows connect the two radio cables..

The receipt of the two radio is done simultaneously.