

ALPHATEC

AVIONICS



Avionics Catalogue for Paramotors

September
2022



HELMETS for single seaters

New PREMIUM S3 range Snr – 37dB Black Edition

All the helmets for single seater Paramotor have a direct connection to a 2M radio or ICOM aviation radio.

Black ear cups with red border. Strong noise reduction microphone, with adjustable flax boom.

Preamplifier integrated into the ear cup, waterproof PTT button on right or left ear cup at the convenience of pilot, Straight radio cable, 1m10 length with molded plug for ICOM, KENWOOD, ALAN or CRT radio.

Please, question us for others radio brands.

Also available in bi band version , to connect 2 radios on a same helmet. A switch on the ear cup allows passing from a radio to the other radio. With a KENWOOD radio, you will have 2 radio cables on you helmet.

At order time, you must supply the brand and reference of your radio.

New 2022 BTR5-A22 Bluetooth 5.0 hands free and intercom kit

It is the ideal complement to all our helmets.

This kit allows a **full duplex intercom link up to 1200m** between 2 helmets fitted with this module, but also to declare others **Bluetooth devices** as mobile phone, GPS, MP3 ... to phone in flight, listen to music or listen to the sound of your GPS, all in stereo. **Built-in radio FM**. 850mAh battery, **autonomy of 15h** in use and 380h in stand-by. Quick charge in 3h with supplied USB cable.

This module attaches to the left ear cup of our helmets using a suitable support that matches the shape of the ear cup. **Headset and kit microphone are paired**, as well as earphones. **It must therefore be ordered at the same time as the helmet** on which it will be fixed, and of which it will form an integral part.

With this module, PTT button must be installed on the right ear cup of the helmet.

Weight with mount accessories : 80Gr Dimensions : 80 x 50mm without antenna

Please, refer to the BTR5-A22 data sheet in the following pages for more information.

FALCON PARAMOTEUR PREMIUM S3 HELMET

Certified EN 966

Top quality jet helmet with fiberglass shell. Aerodynamic shape well ventilated. Removable hypoallergenic internal padding for an easy washing. The ear cups can be flipped upwards or aside quickly and easily. Weight : 1020grs.

Color : pearl white, carbon optic or real carbon (with bonus)

Supplied with a fluffy protection bag.

Optional transparent or brown tinted visor.

Sizes available : XS (53-54cm) S (55-56cm) M (57-58cm)

L (59-60cm) XL (61-62cm) XXL (63-64cm)



FALCON PARAMOTEUR PREMIUM S3

FALCON PARAMOTOR PREMIUM S3

Ref FALCONPARAP

459€

Bonus for bi band version

Ref PVB

90€

Bonus for gel ear seals

Ref PVORGEL

25€

Bonus for carbon optic color

Ref PVDC

30€

Bonus for real carbon

Ref PVC

99€

Bonus for BTR5-A22 Bluetooth kit

Ref BTR5-A22

169€

Transparent visor + fixing system

Ref ECFAL

55€

Brown tinted visor + fixing system

Ref ETFAL

57€

Peak with visor lock + fixing system

Ref CQFALCC

89€

Visor extension + fixing system

Ref MTFALC

69€

Please, refer to the FALCON PREMIUM S3 data sheet in the main catalogue to see other options available



FLY PARAMOTOR PREMIUM S3 HELMET

Certified EN 966

Very light helmet with ABS shape, black polystyrene inside with removable pads for an easy washing.

Airflow inside the helmet, you can open or close the entrance of the air into the helmet just with one hand and while you are flying.

Ear cups can't be flipped upwards. No visor can be installed.

Plastic coated stainless steel wire sidepieces and micrometric chin strap. Weight : 800grs.

Sizes : S (55-56cm) M (57-58cm) L (59-60cm) XL (61-62cm)

Color : Black velvet

Discontinued



FLY PARAMOTOR PREMIUM S3

FLY PARAMOTOR PREMIUM S3

Ref **FLYP** 399€

Bonus for bi band version

Ref **PVB** 90€

Bonus for gel ear seals

Ref **PVORGEL** 25€

Bonus for Bluetooth kit

Ref **BTR5-A22** 169€

PARAMOTOR PREMIUM S3 HEADSET

PREMIUM S3 HEADSET with direct connection to a radio.

For those who want to fly without a protective helmet.

Supplied with a black velvet pouch.

Size : One size fits all Weight : 460grs.

HEADSET PARAMOTOR PREMIUM S3

Ref **STPARAP** 269€

Bonus for bi band version

Ref **PVB** 90€

Bonus for gel ears seals

Ref **PVORGEL** 25€

Bonus for Bluetooth kit

Ref **BTR5-A22** 169€



PARAMOTOR PREMIUM S3 HEADSET

PARAMOTOR PREMIUM S3 FIXED HEADSET

Same headset as above to be fixed onto a protective helmet as FALCON or FLY model.

KIT PARAMOTOR PREMIUM S3 for FALCON or FLY helmet, with **S3** fixing system. 45mm Ø, screwing from the outside of the helmet

Ref **KITPARAP** 289€

KIT PARAMOTOR PREMIUM S3 for ICARO helmet, with **P3E** fixing system. 42mm Ø, screwing from the inside of the helmet

Ref **KITPARAPI** 295€

Bonus for bi band version

90€

Bonus for gel ear seals

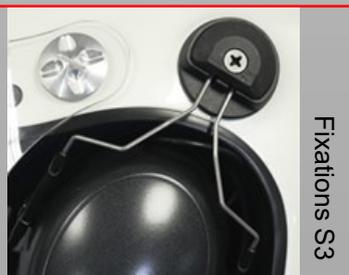
Ref **PVORGEL**

25€

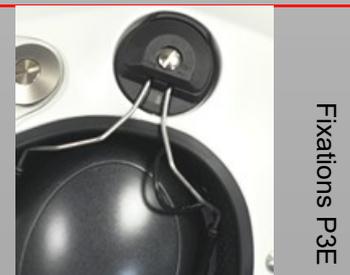
Bonus for Bluetooth kit

Ref **BTR5-A22**

169€



Fixations S3



Fixations P3E

ALPHATEC

ZAM de Pont des charrettes

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Tel 04 66 22 31 97

alphatec-avionics.com

New 2022

Bluetooth 5.0 hands free and intercom kit

This kit allows a **full duplex intercom link** up to 1200m between 2 helmets fitted with this module, or any other Bluetooth intercom compatible, but also to declare others Bluetooth devices as **mobile phone**, MP3, GPS... to phone in flight, listen to music or listen to the sound of your GPS, **all in stereo**.

Built-in **radio FM** .

850mAh battery, **autonomy of 15h** in use and 380h in stand-by.

Quick charge in 3h with supplied USB cable.

It is the ideal complement to all our helmets.



This module attaches to the left ear cup of our helmets, whether it is a PREMIUM S3 or PREMIUM COMPACT, using a suitable support that matches the shape of the ear cup.

Headset and kit microphones are paired, as well as earphones. Headset fitted with this module are 2 microphones and 4 earphones. (Except passengers satellite headset)

It must therefore be ordered at the same time as the helmet on which it will be fixed, and of which it will form an integral part. You will not be required to use this module on every flight, but it cannot be removed. When the Bluetooth system is switched off, your helmet continues to operate normally in wire mode, connected to a radio or an on-board intercom. (Except passenger satellite helmet)

With this module, the PTT button of the helmet must be on the right ear cup.

This module has a **latest generation DSP digital filter** which allows intercommunication without background noise, as effective as our Noise Killer filter. However, this filter does not act on VHF communications.

On the other hand, unlike a wired intercom of the ICA12 or ICA13 type, the person speaking into the microphone does not have sound return.

This kit is sold either as an option with the purchase of all our communication helmets, for a very **complete pilot helmet**, or as a **satellite helmet for passengers** with a unique Bluetooth function.

In the passenger satellite version, the helmet does not have any cables and works only in Bluetooth with another compatible Bluetooth helmet.

The passenger does not listen to the VHF radio and does not have the possibility of transmitting with the VHF radio. If you want your passenger to be able to listen to the VHF radio, or to transmit, you must use 2 complete helmets with mono or twin jack spiral cable, and Bluetooth BTR5-A22 option.

Bonus for BTR5 Bluetooth kit on all our communication headsets	Ref	BTR5-A22	169€
PREMIUM S3 satellite headset for passenger*	Ref	PREMIUMS3SAT	289€
PREMIUM Compact satellite headset for passenger*	Ref	PREMIUMCSAT	230€
FALCON PREMIUM S3 satellite helmet for passenger, pearl white*	Ref	FALCONPS3SAT	489€

* Price of the basic helmet, without options. Refer to the specific descriptions of these helmets to know the available options and their prices.

FALCON PS3 Satellite



Prémium S3 Satellite



FALCON PS3 with BTR5 option





RADIO KENWOOD TK20E

The **Kenwood TH-K20A** is a rugged 2 meter HT with up to 5.5 watts of power and straight-forward operation. You get 200 memories and multiple scan modes are supported. CTCSS/DCS is included.

Your TH-K20A comes with: KNB-63L Li-ion 1130 mAh, KSC-35S drop in charger, SMA flexible antenna, belt clip and owner's Manual

5.5/2.5/1 Watts RF Output - Backlit LCD - Weather Alert - Keypad Entry

Easy Operation - Internal VOX - 200 Memories - CTCSS/DCS Narrow Band FM Ready

Weight : 210grs – Sizes : 54mm x 111.7mm x 25.3mm

Ref TK20E 169€

RADIO ICOM ICV80

Tough Construction

ICOM radios are built tough, and the IC-V80/E – ICOM's most economical 2M – is no exception.

This military rugged rig offers water resistance and superior protection against dust and dirt (IP54). Compact, rugged and with plenty of power, the IC-V80/E is ideal for basic, on-the-go ham operations.

750mW loud audio - Powerful 5.5W of Output Power

A total of 207 memory channels - Built-in CTCSS/DTCS - Internal VOX function - WX channel and weather alert function (USA version only) - Program, memory, skip, priority and tone scans - Power save function - BNC type antenna connector - Automatic repeater function (USA version only)

1750Hz tone for European repeater access (IC-V80E only) - TOT (time out timer) setting - Repeater lockout and busy channel lockout - PC programmable with optional CS-V80. Transceiver-to-transceiver cloning (optional) - Direct keypad frequency entry - DTMF memory channels - Auto power off - LCD backlight - Wide/narrow channel spacing

Sizes : 58(W) × 112(H) × 30(D) mm - Weight : 360grs

These radios are usable on free wing frequency 143,9875MHz for safety reasons.

Ref ICV80 169€



RADIO CRT P2N

Great quality and performance for the price. Very light device.

VHF 144-146MHz and 143.9875MHz. FM receiver 88-108Mhz

1W/5W ERP - 128 memory channels - CTCSS/DCS - automatic VOX - Battery Li-Ion 2200 Ma 7.4V. Vibrate - Hands-free - battery saver.

This radio is compatible with KENWOOD TK20E accessories.

Space frequencies : 5, 6.25, 10, 12.5, 15, 20, 25, 30, 50 kHz.

Weight : 185grs Sizes : 106 x 56 x 29mm without antenna. Antenna : 17cm

Supplied with desktop charger, 2200mAh Li-on battery, belt clip and strap.

Ref P2N 89€



FALCON visor + peak + extension



FALCON internal padding



HELMETS For two seaters Paramotors

Black Edition

ALPHATEC AVIONICS

INTEGRA PREMIUM S3 SET WITH INTEGRATED INTERCOM

The best system for all people who fly with several ultra light or don't want to have a panel mount system. Now available with PREMIUM S3 ear cups with -37dB noise reduction.



New versions with multi pins connection plugs with locking system, and intercom IC-A12 integrated with pass band filter.

The set include 2 headsets with two ways intercom, with VOX and NIMH batteries integrated in ear cups.

Stand-by and talk time : 60 hours.

Pilot headset is fitted with a PTT button for radio. Radio reception on both headsets.

Supplied with batteries wall charger. Optional radio cable.

Depending of radio cable ordered, it's possible to connect an auxiliary PTT button sold apart, or to record on board communications.

Adjustable squelch circuitry and adjustable volume control on each headset with waterproof potentiometer.

Pilot headset can be used also alone directly on radio and/or a mobile phone for BT model.

Supplied with 2 pouches for headset or 2 bags for helmet.

Please, refer to the PREMIUM S3 headset datasheet for more information on electro acoustic equipment.



Available in 3 versions :

INTEGRA PREMIUM S3 with 2 PREMIUM S3 headsets	1150€
KIT INTEGRA PREMIUM S3 with 2 ear cups PREMIUM S3 to fix on protective helmet :	
With S3 attachment for FALCON helmet mounting. Ø 45mm, screwing from the outside of the helmet	1150€
With P3E attachment for ICARO helmets. Ø 42mm, screwing from the inside of the helmet	1150€
INTEGRA FALCON PREMIUM S3 with 2 white FALCON PREMIUM S3 helmets	1550€
It's possible to order 2 different sizes in a set. For more information on FALCON helmets, please refer to the datasheet of this product.	

Also available in Dual band version or BT version.

The Dual band version is particularly suitable for those who fly with 2M radio and the aviation radio. In this version, pilot helmet is fitted with a commutator to switch from one radio to the other, and with 2 plugs to connect the 2 radio cords
Listening of the 2 radios is simultaneous.

BT version is particularly suitable for those who want to phone in fly. In this version, pilot helmet is fitted with 2 PTT buttons on ear cup, one for radio and one for mobile phone, and with a cord to connect the BT-A11C Bluetooth adaptor, sold separately.

Bonus for Dual band version	Ref PVBI	95€
Bonus for BT version	Ref PVBT	95€

Options available :

Radio cord for ICOM ICA6FR11 / ICA25 , length 1m50	Ref CRI	35€
Radio cord for ICOM ICA6FR11 / ICA25 + dual RCA cord to connect auxiliary PTT and Optional recording cord.	Ref CRI2	70€
Please, question us for others radio brands.		
Bonus by helmet for carbon optic colour for FALCON helmet	Ref PVDC	31€
Bonus by helmet for real carbon shell for FALCON helmet	Ref PVC	99€
Transparent visor with mechanism fastening for FALCON helmet	Ref ECFAL	55€
Brown tinted visor with mechanism fastening for FALCON helmet	Ref ETFAL	57€
Aerodynamic composite peak with integrated visor lock for FALCON helmet	Ref CQFALC	89€
Composite visor extension for FALCON helmet	Ref MTFALC	69€
Bonus for gel ear seals instead of foam ear seals (by helmet)	Ref PVORGEL	25€

Please, refer to the FALCON PREMIUM S3 data sheet in the main catalogue to see other options available



SALES TERMS AND CONDITIONS

BY PURCHASING PRODUCTS FROM ALPHATEC, YOU AGREE TO BE BOUND BY AND ACCEPT THIS PURCHASE TERMS.

These Terms of Purchase shall be governed by the laws of country of France.

SHIPPING & DELIVERY

All Shipments are made by prepaid Colissimo international within 72 hours, with insurance.

Delivery time: around 1 to 3 weeks. Purchaser shall examine all products upon receipt and shall notify ALPHATEC of all discrepancies or damages.

All products are shipped immediately to the Customer after a successful payment. The ownership of the Product is transferred to the Customer upon the delivery of the Product. The risks of accidental perish, theft, disappearance or damage to the Product shall pass to the customer upon the delivery of the Product. If we ship in error the incorrect product, please contact ALPHATEC within 72 hours of receiving the incorrect product to arrange for pickup and re-shipment of the correct product, at no charge to you.

PAYMENT

Prepaid orders are only agreed. Two ways of payment are possible :

1. VISA & MASTERCARD credit card payment
3. Bank transfer: IBAN: FR76 1350 6100 0003 7975 3800 159 BIC AGRIFRPP835

PRICES

All prices listed on this catalogue are quoted with French VAT and without shipping charges. Prices and specifications are subject to change without notice; therefore you should always check prices before making a purchase.

WARRANTY

All products are under warranty up to 1 year. This warranty is only applicable to building defects or malfunctions.

Any degradation or evidence of misuse or non-Alphatec service attempt evidence voids warranty.

Transistors, Power amplifiers and battery packs are not warranted. Return shipping freight charges are your responsibility.

RETURN

If you are not completely satisfied with your purchase for any reason, you may return the product, in "like new" condition within eight (8) days of receipt for an exchange or refund. Return shipping freight charges are your responsibility.

A discount of 5 to 10% will be charged if the product or the packing is damaged.

No return will be accepted for all special orders: products out of catalogue or special sizes.

REPAIR

We assure all the repairs of our products. Please, return the product out of order to the address mentioned on the back cover with a description of the issue and join a copy of the purchase invoice.

Return shipping freight charges are your responsibility.



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