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BY FLIGHTPARTS
AIRCRAFT HEADPHONES CATALOGUE

ABOUT US



Welcome to Flightparts!



Founded in 2006, we are a professional inflight product supplier, headquarter in Singapore, subsidiaries in Brazil and China. With more than 10 years history, we have built a solid range of product categories including textile, paper, plastic, headphones and much more.

We aim to offer our customers a variety of inflight products with the best quality and the best price. We've come a long way, so we know exactly which direction to take when supplying our customers with high quality as well as budget friendly products. We offer all of these while providing excellent customer service and friendly support.

That is why we have satisfied customers all over the world, and we are thrilled to be a part of the inflight supply industry.

The interests of customers are always our top priority, so we hope you will enjoy our products as much as we enjoy making them available to you.

ECONOMY IN-EAR SERIES

Price range: Middle (\$)
Suitable for: Economy, Premium Economy, Promotional Item

Clear and crisp sound
Ultra comfortable silicon ear-buds tips
Super light and resistant
Storage space saving
Fully customizable as per customer requirements
Versatile packing options



MODEL:FPT-888

MODEL:FPT-806 >>>



MODEL:FPT-806 <<<

MODEL:FPT-01W <<<



MODEL:FPT-138



<<< MODEL:FPT-802

MODEL:FPT-803



ECONOMY IN-EAR SERIES

Price range: Competitive (\$)

Suitable for: Economy Class, Promotional Item

Clear and crisp sound

Ultra comfortable silicon ear-buds tips

Super light and resistant

Storage space saving

Fully customizable as per customer requirements

Versatile packing options



MODEL:FPT-10C
◀◀

MODEL:FPT-06
▶▶



MODEL:FPT-13



MODEL:FPT-16



MODEL:FPT-52

MODEL:FPT-08
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ECONOMY IN-EAR SERIES

Price range: Competitive (\$)

Suitable for: Economy Class, Promotional Item

Clear and crisp sound

Light and resistant

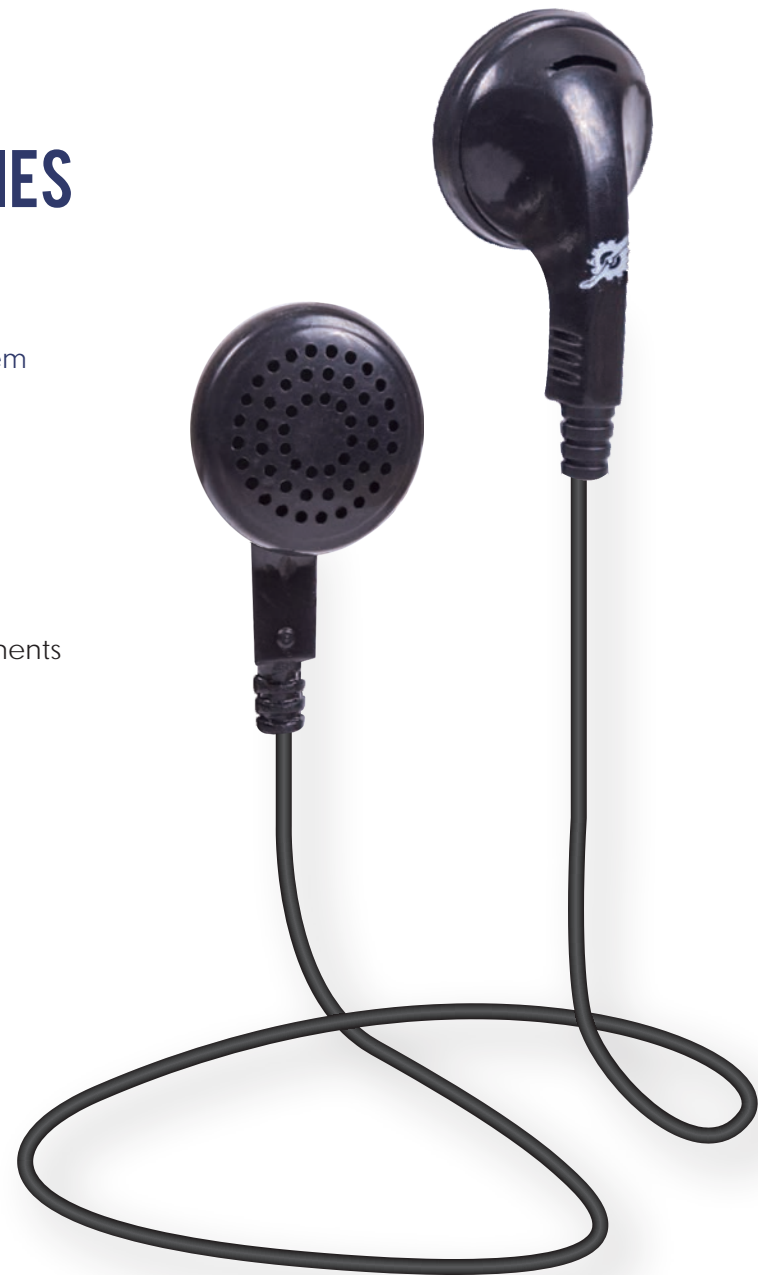
Cost saving

Black foam earpads available

Fully customizable as per customer requirements

Versatile packing options

MODEL:FPT-10



MODEL:FPT-300



MODEL:FPT-911



ECONOMY CLIP SERIES

Price range: Competitive (\$)
Suitable for: Economy Class

- Light weight
- Durable structure
- Competitive price
- Soft ear foam pads
- Fully customizable as per customer requirements

MODEL:FPT-50
>>>



MODEL:FPT-27



MODEL:FPT-26

ECONOMY HEADSET SERIES

Price range: Competitive (\$)

Suitable for: Economy Class

Light weight

Durable structure

Adjustable headband structure for perfect fit

Soft ear foam pads

Fully customizable as per customer requirements

MODEL:FPT55



MODEL:FPT30



MODEL:FPT45



MODEL:FPT-60



FIDELITY PLUS HEADSET SERIES

Price range: Competitive (\$\$)
Suitable for: Premium Economy and Business Class

Ultra-durable and lightweight structure
Adjustable headband for perfect fit
High Fidelity drivers for ultimate sound quality.
Leatherette ear cushions for added comfort and isolation
Adjustable headband with 90° rotating earcups.
Fully customizable as per customer requirements.
One of the airlines' favorite designs



MODEL:FPT-130
>>>



Premium Sound



Soft Earpads



Active Noise Reduction (If required)



MODEL:FPT-120
>>>

HIGH FIDELITY HEADSET SERIES

Price range: Competitive (\$\$\$)

Suitable for: Business Class

Closed-back design for added isolation.

Ultra-durable and lightweight structure

Adjustable headband for perfect fit

High Fidelity drivers for ultimate sound quality

Circum-aural ear cushions for total comfort and isolation

Adjustable headband with 90° rotating earcups

Fully customizable as per customer requirements

One of the airlines' favorite designs



Premium Sound

MODEL:FPT-190



Soft Earpads



Active Noise Reduction



MODEL:FPT-125



MODEL:FPT-175

MODEL:FPT-180



HIGH FIDELITY HEADSET SERIES

Price range: Competitive (\$\$\$)

Suitable for: Business Class

Closed-back design for added isolation.

Ultra-durable and lightweight structure

Adjustable headband for perfect fit

High Fidelity drivers for ultimate sound quality

Circum-aural ear cushions for total comfort and isolation

Adjustable headband with 90° rotating earcups

Fully customizable as per customer requirements

One of the airlines' favorite designs



Premium Sound



Soft Earpads



Active Noise Reduction



MODEL:FPT-21A
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MODEL:FPT-29



MODEL:FPT-21



MODEL:FPT-29A

PREMIUM FIDELITY HEADSET SERIES

Price range: High (\$\$\$\$)
Suitable for: First Class, Business Class and VVIP Charters

- Carefully designed for an immersive sound experience.
- Closed-back design for extra isolation.
- Premium Fidelity Drivers with rare earth magnets for ultimate sound quality.
- Ultra comfortable fit ear cushions for maximum isolation
- Lightweight and durable structure
- Collapsible structure for easy storage with 90° rotating earcups.
- Fully customizable as per customer requirements.

MODEL:FPT-25

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MODEL:FPT-25(BLUETOOTH)

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Premium Sound Xp



Ultra Soft Earpads



Collapsible Design



Bluetooth Available



Active Noise Reduction



PLUG TYPE AVAILABLE



3.5MM TO DOUBLE PIN



DOUBLE PIN TO 3.5MM



FOLDABLE PIN

ARINC C1
>>>



ARINC C2
>>>

ARINC D1
<<<



ARINC D2
<<<



DRIVERS

The driver is one of the most essential parts of the headphone.
 It basically converts electricity (what comes from the audio source) into sound waves (music/audio).
 Dynamic drivers are simply the most common type and the one used in all airlines headphones.



Dynamic drivers are classified in 2 categories.
Both will impact the sound performance and the cost.

- 1. Size (in millimeters mm)
 First class, business class and premium economy headsets: 40mm driver
 Economy class headsets: 27mm driver
 Economy class ear buds: 10mm, 15mm drivers
- 2. Material (type of magnet)
 Ferrite magnet:
 Low cost (abundant raw material). It is with great magnetic power, commonly used in economy headsets and ear buds but it also can be used in business class headsets.
 Neodymium magnet:
 High cost (rare raw material). Same magnetic power than ferrite magnet in smaller size (what reduces weight and space). Mostly used in ultra-light high end headsets and ear buds.


IMPEDANCE

All our headphones comply with all available IFE systems in the industry with an impedance range from 32-300 ohms.


ARINC standards for electrical interface on IFE systems equipment:

Type	Impedance (Ohms Ω)	Price range
A1	150/300Ω	Low
A2	150/300Ω	Low/Mid
B1	32/40Ω	Low
B2	32/40Ω	Low/Mid
C1(High cost)	300Ω	High
C2(High cost)	300Ω	High
D1(Low cost)	40-300Ω	Low
D2(Low cost)	40-300Ω	Low


Panasonic IFE systems: support up to 300 Ω headsets
 Thales IFE systems: support up to 40 Ω headsets



Dual Jack
Compatible with
ARINC A1/A2/B1/B2/D2




Audio Jack
Compatible with
ARINC A1/C1



Low cost audio jack
Compatible with
ARINC A1/D1



Audio Jack
Compatible with
ARINC A1/A2/B1/B2/C2



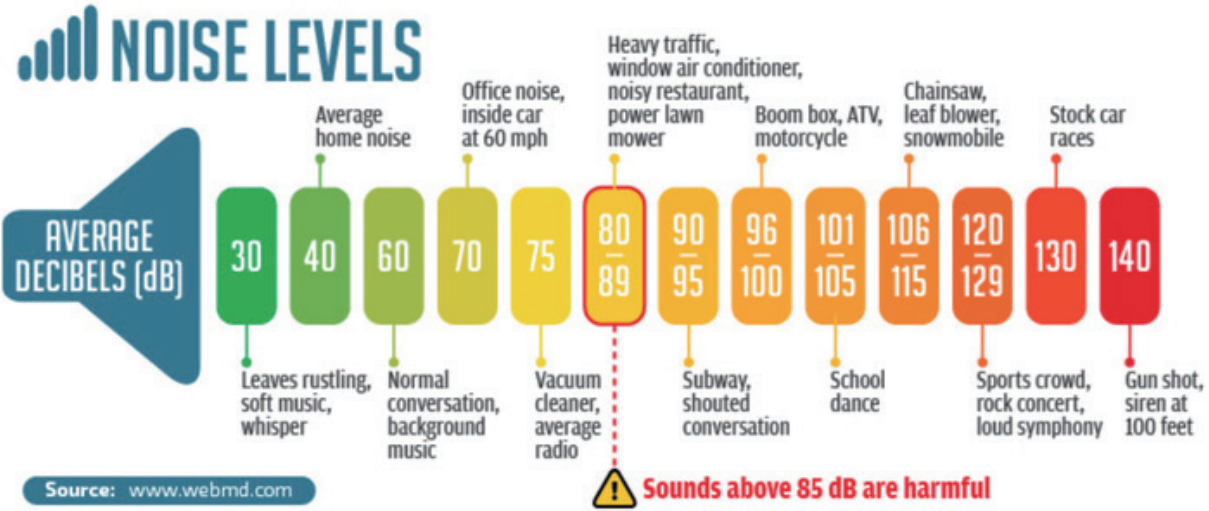
Low cost audio jack
Compatible with
ARINC A1/A2/B1/B2/
Modified C2 (D3)

SENSITIVITY

This is one of the most important aspects of airline headphones. It tells us how loud they will be.

It is important because our passengers expect a good and immersive sound but too loud sound could be very harmful, especially during long-haul flights.

So the most suitable sensitivity range for airline headsets is 100-106db/mW at 1KHz.



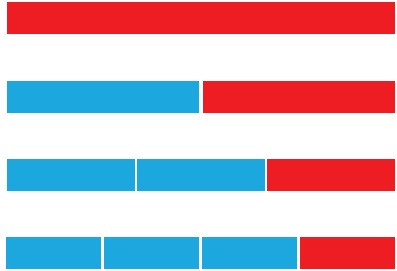
NOISE CANCELLATION

Passive: sound reduction by noise-isolating or sound-absorbing material without using a power source. In-ear headphones or ear buds use passive noise cancellation. (5-7 dB reduction)

Active: noise reduction using a power source that emits a low frequency wave to cancel incoming surrounding noise. Active noise cancellation headsets for airlines in average reduce between 10 to 20 dB.

This reduction is called attenuation. For every 10 dB in reduction the noise is reduced by half.

- 0 dB (no reduction): full noise
- 10 dB: 50% reduction \$
- 15 dB: 60% reduction \$\$
- 20 dB: noise ¼ as loud \$\$\$



DISPOSABLE EAR COVER FOR HEADSETS



Sterilized, soft, customized size and color
Minimize airline headsets-related cost.

SOFT EAR CUSHIONS FOR BC HEADSETS

High protein: Increase passenger satisfaction, ultra soft, easy to clean
Suitable for first class/VIP, business class headsets.
Higher price range (\$\$\$).



Soft protein: Soft and easy to clean.
Suitable for rotatable business class
headsets.
Lower price range (\$\$)

PACKING OPTIONS

- Ziplock LDPE bag
- PE bag
- Eco- paper bag
- Premium CPE bag
- Biodegradable bag
- Plastic case
- Frosted bag
- Premium bag



HARD CASES

PREMIUM PULEATHER HARD CASE <<<



>>> EVA HARD CASE