

# TRIANGLE MAGNETIC JACK UNIT™ (MJU™)

Amphenol Pcd



## Magnetic Active Noise-Cancellation Jack

The magnetic MJU™ is the world's longest-lasting aviation jack, capable of 10x more connection cycles compared with standard aircraft audio jacks. This jack is compatible with all existing headphone types including all active noise-cancelling headphones. The MJU™ eliminates pin breakage by passengers and related operational IFE loss at the seat. When used with Phitek's MJ-Plug™, this unique magnetic jack guards against the most common passenger damage to headphone cables, by automatically releasing the headphone plug when a tugging force of more than 7N is applied in any direction.

### Features

Rated to 250,000 connection cycles
Fits in standard audio jack panel cut-outs.
Additional integrated short circuit protection.
Automatic A1 switching.

### Specifications

IDENTIFICATION	
Part number	2VF11B-XXXX
POWER	
Power consumption	<600mW (incl. Phitek jack powered headphone)
PHYSICAL	
Total unit weight	<40g (1.41oz)
Unit dimensions	26.3mm x 23mm x 24mm (1.04" x 0.91" x 0.94")
Seat cut-out compatibility	Drop-in replacement for RD-NA1010-XX and other triangular shaped audio connectors
COMPATIBILITY	
ARINC connector options	ARINC A1, A2, B1, B2, C2, C2 Modified, D2, MJ-Plug™

## Headphone Compatibility

AUDIO ONLY HEADPHONES	A1 SINGLE PIN	A2 DUAL PIN	Different terminals are activated depending on headphone type.	
High impedance >100 ohm.				
			A1 / A2 equivalent	
AUDIO ONLY HEADPHONES	B1 SINGLE PIN	B2 DUAL PIN	Different terminals are activated depending on headphone type.	
Low impedance <100 ohm.				
			B1 / B2 equivalent	
JACK POWERED NOISE-CANCELLATION HEADPHONES	C2 TRIPLE PIN		Different terminals are activated depending on headphone type.	
Headphones that have active noise cancellation powered by a 12V aircraft jack.				
			C1 / C2 equivalent	
JACK ENABLED NOISE-CANCELLATION HEADPHONES	C2MOD TRIPLE PIN	D2 DUAL PIN	Different terminals are activated depending on headphone type.	
Headphones that utilise the noise cancellation electronics, integrated in the aircraft jack.				
			C2 MOD / D2 equivalent	

## Scalable Connector For All Cabin Classes

The Obround Magnetic Jack replaces two-pin economy connectors as either a retrofit or line-fit solution. The jack connects to a wide range of headphone types including legacy ARINC standard plugs, as well as headphones using Phitek's MJ-Plugs™.



## Features

Rated to 250,000 connection cycles.
Automatic A1 switching.
Compatible with passenger devices.

## Specifications

IDENTIFICATION	
Part number	2VF18A-XXXXX
PHYSICAL	
Total unit weight	<28g (1.00oz)
Unit dimensions	26.9mm x 30.9mm x 30.0mm (1.06" x 1.22" x 1.18")
Seat cut-out compatibility	Drop-in replacement for obround shaped pass-through audio connectors.

## Headphone Compatibility

AUDIO ONLY HEADPHONES	A1 SINGLE PIN	A2 DUAL PIN	Different terminals are activated depending on headphone type.	
High impedance >100 ohm.				
AUDIO ONLY HEADPHONES	B1 SINGLE PIN	B2 DUAL PIN	Different terminals are activated depending on headphone type.	
Low impedance <100 ohm.				

## Scalable Connector For All Cabin Classes

The Square Magnetic Jack Unit is a drop-in replacement for existing audio remote jack units, integrating the world's longest-lasting aviation audio jacks with all IFE systems. The jack contains Phitek's patented plug-type detection and switching technology. This enables connection to a wide range of headphone types including most traditional ARINC standard plugs, as well as any headphone type using Phitek's MJ-Plugs™.



### Features

Rated to 250,000 connection cycles.
Drop-in replacement for Panasonic eX series jacks.
Noise cancellation technology incorporated in the jack allows for significantly reduced headphone cost.

### Specifications

IDENTIFICATION	
Part number	2VF31A-XXXXX
POWER	
Power consumption	<600mW (incl. Phitek jack powered headphone)
PHYSICAL	
Total unit weight	<28g (1.00oz)
Unit dimensions	38.50mm x 31.50mm x 30.40mm (1.52" x 1.24" x 1.20")
Seat cut-out compatibility	Drop-in replacement for RD-FA6293-XX & RD-FA6283-XX

## Headphone Compatibility

AUDIO ONLY HEADPHONES	A1 SINGLE PIN	A2 DUAL PIN	Different terminals are activated depending on headphone type.
High impedance >100 ohm.			 A1 / A2 equivalent
AUDIO ONLY HEADPHONES	B1 SINGLE PIN	B2 DUAL PIN	Different terminals are activated depending on headphone type.
Low impedance <100 ohm.			 B1 / B2 equivalent
JACK POWERED NOISE-CANCELLATION HEADPHONES	C2 TRIPLE PIN		Different terminals are activated depending on headphone type.
Headphones that have active noise cancellation powered by a 12V aircraft jack.			 C1 / C2 equivalent
JACK ENABLED NOISE-CANCELLATION HEADPHONES	C2MOD TRIPLE PIN	D2 DUAL PIN	Different terminals are activated depending on headphone type.
Headphones that utilise the noise cancellation electronics, integrated in the aircraft jack.			 C2 MOD / D2 equivalent