

# FLYSUB 15 iMODE

## FEATURES

- Low frequency reinforcement unit for Mini-COM.P.A.S.S. iMode array
- Self-powered system equipped with Outline's iMode technology
- Analogue and digital (AES/EBU) input
- Internal two-port Ethernet switch to reduce the need for external networking hardware
- Small footprint - low visual impact
- Single 15" double-spider woofer
- Trapezoidal design
- Integrated ultra-light flying hardware

## iMODE

### Intelligent Loudspeaker Control Platform

FLYSUB 15 iMode is equipped with Outline iMode Technology - the next step in Outline's self-powered loudspeaker development, processing and control. It's a truly 'Intelligent' Platform for advanced loudspeaker control. In addition to utilizing a powerful switching amplifier, the system provides complete and accurate loudspeaker control and reporting of all system parameters within each component, but also across the entire 'iMode enabled' system. Through the use of advanced digital signal processing (DSP) and a built-in web server, users can control the sound system via any standard web browser (no special software required), just as one would

navigate a website. With standard IP-based communication, the iMode platform is truly future-proof, controllable via netbook, smartphone, and any devices 'of tomorrow'. iMode operates on a Linux operating system with an Outline-customized kernel. Chosen for its extreme stability and compatibility, the operating system provides a robust foundation for iMode's advanced functions. Audio conversion is done at 24-bit/192 kHz resolution (further information available at [www.outline.it](http://www.outline.it)).



## APPLICATIONS

Low frequency reinforcement system to be embodied in a Mini-COM.P.A.S.S. iMode array. Front of House sound reinforcement system for installation in theatres, houses of worship, live venues and for medium-sized touring applications.

## DESCRIPTION

FLYSUB 15 iMode is a self-powered subwoofer specifically designed to reinforce the low-frequency response in a Mini-COM.P.A.S.S. iMode array. It features a single 15" woofer (76 mm voice coil and double spider), customized in order to have a very low distortion figure both at low and high levels. The transducer is loaded in a bass-reflex enclosure and is mounted on an oblique baffle, that gives the loudspeaker a secondary loading, which improves the overall tonal balance. The accurate placement of the reflex ports, on the same baffle, eliminates air turbulence noise, allowing superior fidelity, even at higher SPLs. The internal class-D amplifier is able to deliver 1000 W EIAJ on 8 Ω.

The integrated suspension hardware is a combination of top quality material and treatment in order to ensure extremely high resistance to stress, corrosion and abrasion - resulting in a simple, effective, and light weight rigging system. The angle between the enclosures is selectable from 0° to 7.5° with a 0.5° step.

The cabinet is built from high-quality birch plywood and strengthened by the internal structure and thus is free from harmful colouring due to internal resonances.

A sturdy steel painted grille, internally covered with acoustically-transparent foam and braced with two reinforcement bars provides superior physical protection for the components housed within the front of the cabinet. Four recessed handles facilitate the handling and dedicated flight-cases make the transport easy and safe.

## TECHNICAL SPECIFICATIONS (PRELIMINARY DATA)



Available on the App Store

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### FREQUENCY RESPONSE

(-10 dB) 35 Hz ÷ 550 Hz  
(± 3 dB) 40 Hz ÷ 400 Hz

### SUGGESTED X-OVER

max 200 Hz

### AVERAGE DISPERSION

Horizontal Quasi-omnidirectional  
Vertical Depending on array height and curvature

### POWER AMPLIFIER

Input Sensitivity 3.20 dBu (1.12 VRMS)  
Type Class D (Digital)  
Input impedance 10 kΩ balanced to ground  
Cooling Temperature controlled variable speed fan  
**Rated power** (1 kHz, 1% THD) 1 x 1000 W EIAJ on 8 Ω  
Gain 32 dB

**MAX SPL @ 1 m (calculated)** Cont. 124.5 Peak (+6 dB) 130.5  
130.5 136.5 (half-space)

**LOUDSPEAKERS AND LOADING** 1 x 15" (381 mm) woofer, bass-reflex loaded

### CONNECTORS

Audio 1 XLR + 1 Link Out  
Ethernet 2 EtherCon (RJ 45 Socket)  
Mains 1 PowerCon + 1 Link Out

### WEIGHT DIMENSIONS

	Single Unit	Shipping (1 unit)
Height	45.0 kg (99.2 lb)	51.0 kg (112.4 lb)
Width	73.4 cm (28.9")	81 cm (31.9")
Depth	55 cm (21.7")	64 cm (25.2")
	54.6 cm (21.5")	63 cm (24.8")

# LINE ARRAY FAMILY