

PentaClass

ELMO

PENTACLASS ABM AND ELMO CATCHBOX

OMNIDIRECTIONAL 360° SOUND SYSTEM WITH RUNA MICROPHONE AND THROWABLE MICROPHONE

360° 360° OMNIDIRECTIONAL SOUNDFIELD
Enjoy truly rich sounds whenever you are seated in the room.

BLUETOOTH CONNECTION
Stream to your PentaClass from wherever you are in the room.

LED STATUS INDICATION
A specific light will illuminate on the top panel.

EASY INSTALLATION
In a matter of minutes you can install the PentaClass using the supplied mount on a ceiling or wall.

REMOTE CONTROL
Remote control for the easy operation of your PentaClass.

AUDIO PRESETS
Choose voice, multimedia and music presets.

1300 SQFT (120 SQM) COVERAGE
Suitable for room sizes of up to 1300 ft² (120 m²).

AUTO POWER OFF
Automatic power-saving mode to save energy.

VERSATILE USE
Use as portable or installed.



TECHNICAL SPECIFICATION

SPEAKER SPECIFICATION

Frequency Response	40 Hz - 20 kHz
Output	45 W @ 8 Ω
Loudness	88 dB
Inputs	1 x AUX, 3.5 mm stereo
Output	1 x AUX, 3.5 mm stereo, mixed
Power Requirements	110V/240V AC 50-60Hz 1A
Power saving mode	Auto turn OFF after 20 min. inactivity
Status indication	Indication of exact status of PentaClass
Amplifier	Class D, 44 100 kHz sample rate, 24 bit resolution, digital audio processor (DAP), dynamic range compression (DRC), soft mute
Mixer	Two channel mixer: 1) Mixes AUX input channel with Bluetooth (AB and ABM models), and AUX input channel with microphone (ABM model)
Control	Infrared remote control with 7 buttons (Speaker power on/off, Mute, Audio presets, Speaker volume up, Speaker volume down, AUX on/off, Bluetooth on/off (enabled for AB and ABM models))
Built in equalizer presets	Speech, Multimedia, Music, Mega bass
Acoustics	Omni-directional, plywood sound box, fine tuned port. Designed for rooms up to 1291 sq ft (120 m ²).
Dimensions (W x H x D)	9.45 x 9.45 x 9.06 inch (24 x 24 x 23 cm)
Weight	6.61 lbs (3 kg)
Mounting	Universal wall/ceiling mount for drop and concrete ceilings supplied
Included accessories	Power supply, power cord, remote control, wall / ceiling mount, user manual, microphone

AUDIO INPUT / OUTPUT ELECTRICAL CHARACTERISTICS

Aux In Input Impedance	29 kΩ
Maximal Aux In Input Level	2.83 Vpp
Aux Out Output Impedance	320 Ω
Typical LINE OUT Output level (0 dB @ 10 kW load)	2.61 Vpp

BLUETOOTH SPECIFICATION

Bluetooth version	Version 2.1 + EDR, Class 2
Data rates	Up to 3 Mbps (over the air)
Frequency range	2402 - 2480 MHz
Range	Up to 82 feet (25 meters)
Receive Sensitivity	Better than -86 dBm
Wireless Specification	802.11 b/g
Profiles	A2DP
Audio codec support	SBC, AAC and apt-X for high quality audio applications

2.4 GHZ MICROPHONE RECEIVER

Frequency band	ISM 2.4GHz
Audio Transmission	Un-Compressed audio transmission 44,1 kHz 16bit
Frequency range	2400 - 2483.5 MHz, 18 channel adaptive frequency hopping
Range	Up to 82 feet (25 meters)

* Compatible only with PentaClass ABM

Catchbox

ELMO

ELMO CATCHBOX

THROWABLE MICROPHONE



DIGITAL, INTERFERENCE FREE AUDIO

Using a digital signal instead of an analogue one, the Catchbox 2.4 completely avoids interference noises from other radio devices.



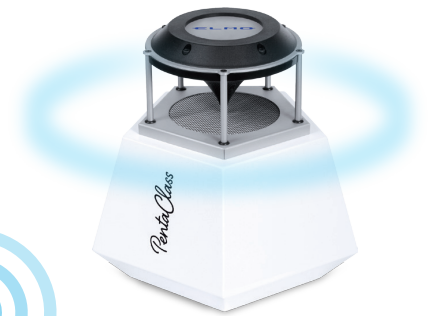
ACTIVE AUTOMUTE

With the Catchbox, there is no need to worry about unwanted sounds that might occur when throwing or dropping the mic.



GLOBAL, LICENSE FREE USE

Working in the 2.4GHz frequency band, the Catchbox 2.4 works anywhere in the world without a license.



EASY TO SETUP

The Catchbox connects directly to the PentaClass - no need of using external receiver.



MAKE IT YOUR OWN

Add custom colors and logos to truly make your Catchbox stand out in the crowd.

** minimum of 5 required*



LIGHT AND SOFT

The Catchbox is made from a combination of durable foams and technical fabric, making it extremely light for its size as well as durable.



MAGNETIC LOCKING

The Catchbox comes equipped with a unique magnetic locking mechanism which ensures that the inner capsule doesn't pop out when the device is thrown.

TECHNICAL SPECIFICATION

GENERAL SPECIFICATIONS

Max Wireless Range	30m / 100ft (Line of Sight)
Frequency Band	2.4GHz ISM band (2.400-2.485 GHz)
Audio Frequency Response	50-10000Hz
Signal Type	Digital
Automatic Frequency Hopping	Yes
System Latency	15-20ms
Connectivity	Directly to the PentaClass built in receiver

Weight (including batteries)	380g / 13.5oz
Dimensions	18 x 18 x 18 cm / 7 x 7 x 7 in
Microphone Element	Electret condenser
Microphone Shape	Omni Directional
Battery Type	2 x AA (LR6) alkaline
Battery Life	>10 hours (with alkaline batteries)
Radio Power Output	10mW

** Compatible only with PentaClass ABM*



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