

UTOPIA MAIN 112

Product Sheet

HANDCRAFTED
IN FRANCE

Focal has stepped into the realm of main monitoring, with the brand-new Utopia Main range. This range combines over 40 years of Focal's research in driver design and 20 years of innovation in studio monitor development, within its Pro Audio Division. The Utopia Main 112 is the 3-way model, featuring a single bass driver and a single midrange driver configuration, of this incredible range.



Key points

- All-new 'M'-shaped 'W' membrane midrange driver: extreme rigidity due to its shape and material, with a powerful magnet, to ensure a precise midrange with no resonance and very-low distortion.
- 1.5" 'M'-shaped Beryllium tweeter: including the Tuned Mass Damper® and Infinite Acoustic Loading® technologies, to improve stiffness and rigidity, for excellent transient response with minimum distortion - causing less listening fatigue.
- Current Mode Amplification: the most natural way to amplify a loudspeaker, achieving the lowest THD levels ever measured. Controlling the current instead of voltage is directly controlling the force on the driver and, therefore, it's response and getting rid of any additional unwanted artifacts.
- Available port plug accessory: for either precision ("sealed") or more energetic bass ("ported").
- On-site fine-tuning using the amplifier's feature board: 2 PEQs, volume trims for each driver, low-shelf, high-shelf, soffit compensation filter, port compensation filter ("sealed" or "ported"), front LED deactivation, standby mode deactivation, etc.
- Massive cabinet using 30mm-thick MDF panels, reinforced with a bracing network cleverly designed to remove any warping including quarter-wavelength resonance reduction systems: maintaining precision even at the highest SPL.

Specifications

Performance

Frequency response (@ -3dB)	28Hz-40kHz
Maximum SPL (CEA2034 standard 50-10kHz free-field @ 1m)	120dB

Electronic section

Input	Balanced XLR 10k Ω
Bass amplifier stage	500W RMS class-D
Midrange amplifier stage	180W RMS class-H Current mode
Treble amplifier stage	90W RMS class-H Current mode
Nominal power supply (Alternating voltage)	-100 - 120V, 50/60Hz -220 - 240V, 50/60Hz
Nominal power consumption	500W
Fuses	T10AH/25V, T5AH/250V -100-120V -220-240V
Crossover frequencies	330Hz/2.7kHz
Dimensions (H x W x D)	7 ^{3/8} " x 19" x 17 ^{1/2} "
Rack Height	4U
Weight	51,6lbs (23,4kg)
Automatic standby mode	After approximately 14 minutes with no signal
Power consumption in standby mode	<0.5W
Power consumption when the amplifier is off	<0.1W

Transducers

Woofers	13" (33cm) 'W' cone
Midrange	5" (12.7cm) 'M'-shaped 'W' cone
Tweeter	1.5" (38mm) 'M'-shaped Beryllium

Loudspeaker

Construction	1 ^{1/8} " (30mm) MDF
Finish	Black
Dimensions (H x W x D)	37" x 20 ^{7/8} " x 18 ^{1/8} " (94 x 53 x 46cm)
Weight	171lb (77.6kg)
Temperature range	Operating: 5-30°C Storage: 0-50°C