

# JBL Professional® Flex U-12<sup>G2</sup> & U-14<sup>G2</sup>

## Product Information Sheet



JBL Professional® Flex U-12<sup>G2</sup> & U-14<sup>G2</sup>

The Flex U-12<sup>G2</sup> & U-14<sup>G2</sup> powered compact loudspeakers are ideally suited for applications requiring small, inconspicuous cabinets that deliver high sound pressure levels, low distortion, and a highly accurate dispersion pattern. The Flex U-12<sup>G2</sup> & U-14<sup>G2</sup> have all the attributes of a hard working install/rental product with the performance of a high end studio monitor.

The self-powered Flex U-12<sup>G2</sup> & U-14<sup>G2</sup> offer exceptional audio performance in a compact package. With the added advantages of the JBL Professional® propriety network being incorporated along with on-board DSP these models offer total flexibility and performance. As standalone loudspeakers, the Flex U-12<sup>G2</sup> & U-14<sup>G2</sup> can be used for vocal reinforcement, front fill coverage, monitors, surround speakers and delay coverage for under balcony applications. The Flex U-12<sup>G2</sup> & U-14<sup>G2</sup> can also be paired with any of the JBL Professional optional subwoofers to create a full range system.

The Flex U-12<sup>G2</sup> offers an exceptional operating frequency range of 80 Hz to 22

kHz and a maximum peak SPL of 111 dB, with very low distortion. The unit's high-frequency section includes a 1.1" soft dome tweeter. The low/mid-frequency section includes one 6.5-inch cone transducer. The DSP features include amongst the many, up to 21 seconds of delay, 8 band parametric EQ, compression/limiting and 8 presets.

The Flex U-14<sup>G2</sup> also offers an exceptional operating frequency range of 80 Hz to 22 kHz and a maximum peak SPL of 117 dB, with very low distortion. The unit's high-frequency section includes a 1.1" soft dome tweeter. The low/mid-frequency section includes two 6.5-inch cone transducers. The DSP features include amongst the many, up to 21 seconds of delay, 8 band parametric EQ, compression/limiting and 8 pre-sets.

Both models come with JBL Professional complete surveillance / failure monitoring support so can be incorporated into the facilities life safety system. This feature includes input pilot tone detection, transducer load monitoring, amplifier monitoring etc.

### Features & Benefits

- Transparent fidelity and huge power capacity in an extremely compact package.
- Symmetrical pattern provides precise coverage control and allows for portrait or landscape orientation.
- Presets give instant access to your favourite tunings.
- On-Board DSP allows you to tailor the speaker to your exact requirements.
- The Network lets you know what's happening at anytime throughout the whole system, and also remotely change settings.

### Applications

- Front and under-balcony fill.
- Theatrical sound reinforcement.
- Portable and installed audio-visual systems.
- Effects for theatre.
- Compact voice reinforcement systems.
- Club & Bars.

# JBL Professional® Flex U-12<sup>G2</sup> & U-14<sup>G2</sup>

## Specifications

### JBL Professional U-12<sup>G2</sup>

#### Acoustical

Freq range		80 Hz - 22k Hz (+/-3 dB)
Max SPL (1 m)	- Continuous (max)	111 dB (This value is from simulations, TBD)
Coverage	- Horizontal	100°, -6 dB average 1k - 8k Hz octave band
	- Vertical	110°, -6 dB average 1k - 8k Hz octave band
Dynamic Range		> 96 dB
X-overs		typical slope 24 dB/oct
		typical target 4 <sup>th</sup> order Linkwitz-Riley delay aligned typical acoustical crossing frequency 3.2k Hz
Latency		2.5 ms
Power amplifiers	- Type	Class D
	- Power	2 x 100 W (8 Ω)

#### General

Transducers	- LF	1 x 6.5" front-loaded bass-reflex
	- HF	1 x 1.1" soft dome tweeter
Dimensions	(H x W x D)	305 mm (12.0") x 200 mm (7.9") x 200 mm (7.9")
Weight		7 kg (15 lbs)

### JBL Professional U-14<sup>G2</sup>

#### Acoustical

Freq range		80 Hz - 22k Hz (+/-3 dB)
Max SPL (1 m)	- Continuous (max)	117 dB (This value is from simulations, TBD)
Coverage	- Horizontal	110°, -6 dB average 1k - 8k Hz octave band
	- Vertical	60°, -6 dB average 1k - 8k Hz octave band
Dynamic Range		> 96 dB
X-overs		typical slope 24dB/oct
		typical target 4 <sup>th</sup> order Linkwitz-Riley delay aligned typical acoustical crossing frequencies 3k2 Hz
Latency		2.5 ms
Power amplifiers	- Type	Class D
	- Power	1 x 200 W (4 Ω) / 1 x 100 W (8 Ω) (Total continuous power limited to 200 W)

#### General

Transducers	- LF	2 x 6.5" front-loaded bass-reflex
	- HF	1 x 1.1" soft dome tweeter
Dimensions	(H x W x D)	475 mm (18.7") x 200 mm (7.9") x 200 mm (7.9")
Weight		9 kg (20 lbs)

