

PHONIC

POWERED SPEAKERS
JUBI SERIES



OVERVIEW

Phonic's Jubi establishes a new paradigm for molded powered speakers. Consisting of both active and passive models, Jubi loudspeakers were carefully crafted from the ground up to provide the perfect marriage of power and precision, with no compromises on performance.

Phonic engineers designed a high BL force factor woofer and a 1" compression tweeter to achieve the Jubi's astonishingly wide sound stage and a vivid, transparent signature sound. Active Jubi models offer 320 or 700 Watts of continuous power through class D and class AB amplifiers to produce shattering maximum sound

pressure levels – providing enough power for a wide range of venue types and sizes.

Reliability and durability were paramount throughout the Jubi's development. A carefully crafted polymer enclosure with stunning vertical curvatures not only look great, but also improve acoustic accuracy by minimizing internal diffraction. The lightweight design and rugged pole mounts make the Jubi the most versatile, portable active loudspeaker today.

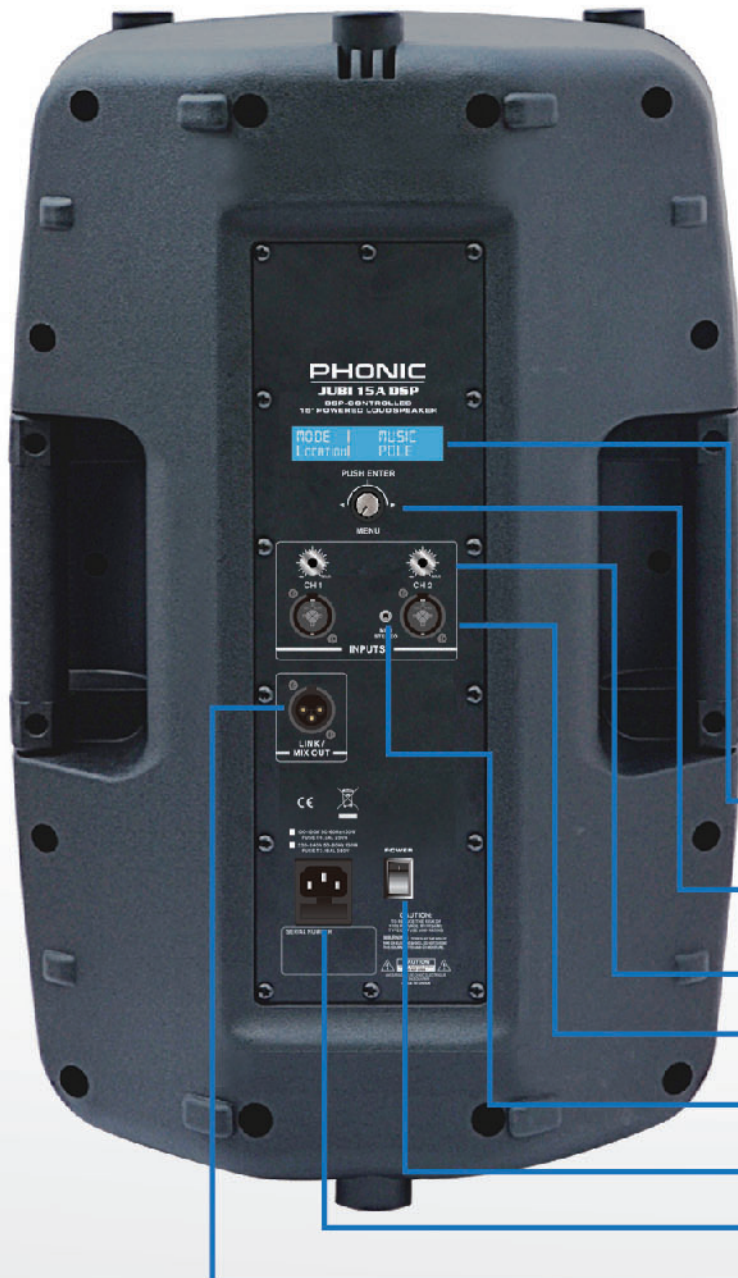
JUBI DSP

MODE	SPEECH	LOCATION	MONITOR
	CLUB	TREBLE	0 dB
TREBLE	0 dB	BASS	0 dB
MID	0 dB	SUBW	ON
PRESET	USER6	SUBW	ON
LEVEL	IN1 IN2	LED	■■■■■■

Digital Signal Processing

Jubi 12A DSP and Jubi 15A DSP are both ingrained with a flexible DSP processor that provides a number of vital loudspeaker tools. Included are a 3-band EQ with bass, mid-range and treble options, as well as an adjustable crossover with integrated 'subwoofer mode'. Phonic engineers have also included a number of preprogrammed modes including Music, Live, Vocal, Speech and Club modes. This, along with user-assignable save slots, provide fantastic flexibility for all professional live setups.

- Master level adjustment
- Different operating modes for pole-mounting and floor monitoring
- GEQ presets (Speech, Music, Live, Club and Vocal)
- 3-band EQ on each input channel
- Limiter
- Subwoofer output mode (low pass filter)
- Phase adjustment (0° to 180°)
- LCD screen brightness control



View and adjust parameters of the internal software through this multi-digit screen

The internal software can be controlled using this simple rotary/push button control

Channel Input Gain Controls

Combo Inputs accept both XLR and 1/4" phone jacks

Mini-Stereo Input Connector for MP3 and CD players

Activate the Jubi DSP at the flick of a switch

Standard AC power connector

Balanced XLR output for extended application

WOOFERS AND TWEETERS ENGINEERED RIGHT

Unlike many other speaker manufactures that use pre-assembled OEM woofers and tweeters, Jubi transducers are designed from scratch, in-house, by Phonic. Everything, from the cone pulp formula and the curvature of the tweeter's titanium membrane to the characteristic of the magnetic field, is uniquely Phonic, uniquely Jubi. Jubi's state-of-the-art 12" and 15" woofers has a distinctly high BL force factor and a long-throw extension which produce marvelously deep and defined bass traditionally unattainable in small enclosures. The 1" compression tweeter and 95 degree conical horn complete the Jubi's vivid, transparent sound signature.

ADVANCED ELECTRONICS. ADVANCED RELIABILITY

With over 35 years of experience, Phonic has few equals when it comes to advanced electrical engineering technology. With the Jubi series, this cumulated expertise is on display. Core features include:

- Time alignment and phase correction: In listening tests, many notice that the Jubi seems more "real" or more "live" than other speakers. This is because Phonic's active electronics ensure that sounds from the Jubi hit listeners' ears at the precise moments the original recording intended.
- High Dampening Factor and Woofer Stabilization: The Jubi has a high amplifier dampening factor to ensure that the woofer reaches



Jubi 12A

12" Active 2-Way Loudspeaker

- 700 Watts of continuous power using Class D and AB technology
- 12" woofers matched with 1" tweeters
- 2 channel mixer onboard with XLR and 1/4" inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- 35mm mounting points for extending coverage



Jubi 15A

15" Active 2-Way Loudspeaker

- 700 Watts of continuous power using Class D and AB technology
- 15" woofers matched with 1" tweeters
- 2 channel mixer onboard with XLR and 1/4" inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- 35mm mounting points for extending coverage



Jubi 12AR

12" Active 2-Way Loudspeaker with USB Recorder

- 700 Watts of continuous power using Class D and AB technology
- 12" woofers matched with 1" tweeters
- 2 channel mixer onboard with XLR and 1/4" inputs all available
- Record audio directly to USB flash drives
- Digital MP3 audio playback from USB flash drives
- Master 2-band EQ for ultimate control over highs and lows
- 35mm mounting points for extending coverage



Jubi 15AR

15" Active 2-Way Loudspeaker with USB Recorder

- 700 Watts of continuous power using Class D and AB technology
- 15" woofers matched with 1" tweeters
- 2 channel mixer onboard with XLR and 1/4" inputs all available
- Record audio directly to USB flash drives
- Digital MP3 audio playback from USB flash drives
- Master 2-band EQ for ultimate control over highs and lows
- 35mm mounting points for extending coverage



Jubi 12A DSP

12" Active 2-Way Loudspeaker with Integrated DSP

- 700 Watts of continuous power using Class D and AB technology
- 12" woofers matched with 1" tweeters
- 2 channel mixer onboard with Combo (XLR and 1/4") and mini-stereo inputs all available
- Integrated digital signal processor offers 3-band equalizer, variable signal delay, adjustable limiter and extensive system monitoring
- 35mm mounting points for extending coverage



Jubi 15A DSP

15" Active 2-Way Loudspeaker with Integrated DSP

- 700 Watts of continuous power using Class D and AB technology
- 15" woofers matched with 1" tweeters
- 2 channel mixer onboard with Combo (XLR and 1/4") and mini-stereo inputs all available
- Integrated digital signal processor offers 3-band equalizer, variable signal delay, adjustable limiter and extensive system monitoring
- 35mm mounting points for extending coverage

optimal excursion. Additionally, Phonic engineers added circuitry to manage the speaker's electrical feedback, in effect, stabilizing woofer movement. The high amplifier dampening factor and stabilization circuitry give the Jubi its spectacular bass depth and clarity.

- Transducer Protection: Active electronics oversee tweeter and woofer excursion, preventing audio artifacts, distortion, and speaker damage.
- 4th order, phase-accurate, Linkwitz-Riley crossover
- Thermal protection: Precautionary feature that cuts off the Jubi in case of overheating.

With experience and technology comes excellent performance and reliability. But you can never be too careful. As of the launch date, the Jubi has logged more than 1000 hours of real world and lab tests, guaranteeing a remarkable level of reliability. From heated ovens, freezing subzero rooms, high humidity chambers, to electrical voltage spikes, the Jubi has endured it all.



Jubi 12A Lite

12" Active 2-Way Loudspeaker with USB Recorder

- 320 Watt continuous power amplifier built-in
- 12" woofers matched with compression drivers
- 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- Record audio directly to USB flash drives
- MP3 audio playback from USB flash drives
- 1/4" line output for extended operation



Jubi 15A Lite

15" Active 2-Way Loudspeaker with USB Recorder

- 320 Watt continuous power amplifier built-in
- 15" woofers matched with compression drivers
- 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- Record audio directly to USB flash drives
- MP3 audio playback from USB flash drives
- 1/4" line output for extended operation



Jubi 12A JNR

12" Active 2-Way Loudspeaker

- 320 Watt continuous power amplifier built-in
- 12" woofers matched with compression drivers
- 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- 1/4" line output for extended operation

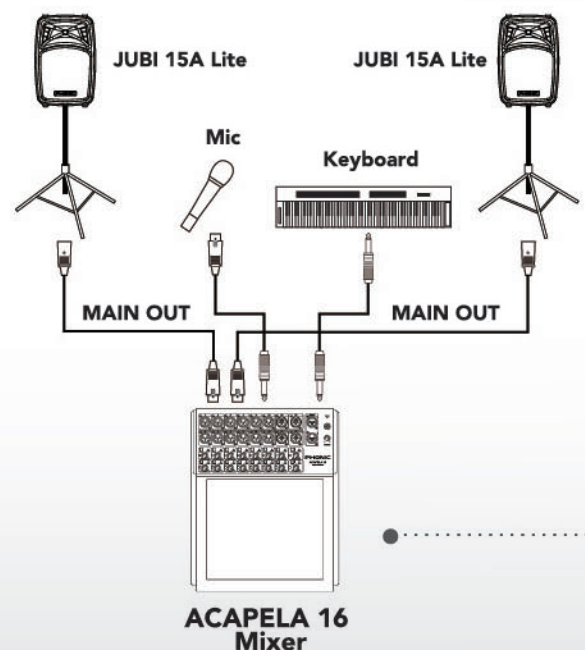
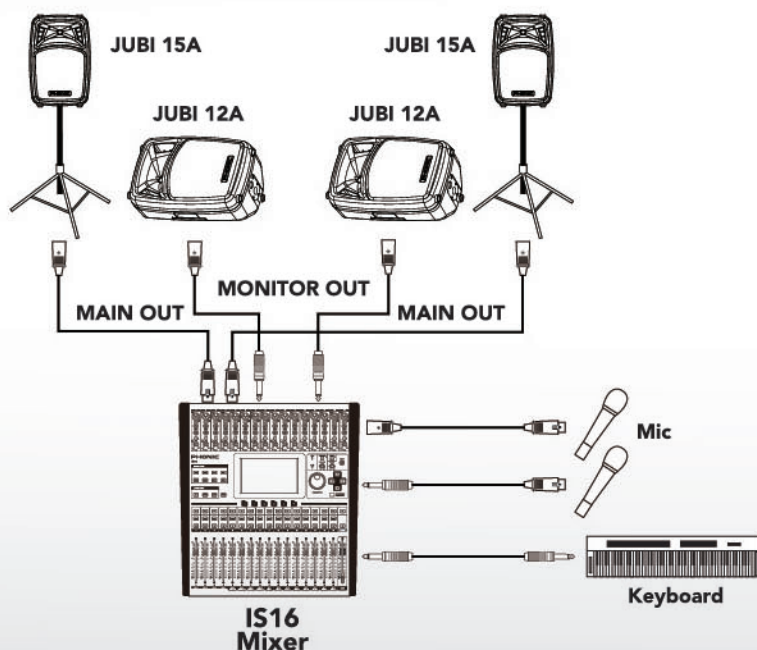


Jubi 15A JNR

15" Active 2-Way Loudspeaker

- 320 Watt continuous power amplifier built-in
- 15" woofers matched with compression drivers
- 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- Master 2-band EQ for ultimate control over highs and lows
- 1/4" line output for extended operation

SYSTEM EXAMPLE



	Jubi 12A	Jubi 15A	Jubi 12AR
Amp Type	Tweeter: Class AB / Woofer: Class D		Tweeter: Class AB / Woofer: Class D
Continuous Power	700 Watts	700 Watts	700 Watts
Peak Power	1400 Watts	1400 Watts	1400 Watts
LF Output	400W @ 8 ohms	400W @ 8 ohms	400W @ 8 ohms
HF Output	80W @ 8 ohms	80W @ 8 ohms	80W @ 8 ohms
Minimum THD	0.01%	0.01%	0.01%
Max SPL	126dB	126dB	126dB
Frequency Response	56 Hz - 20 kHz	53 Hz - 20 kHz	56 Hz - 20 kHz
LF Size	12"	15"	12"
LF-Magnet Material	Ferrite	Ferrite	Ferrite
LF-VC Diameter	2.6 inch	2.6 inch	2.6 inch
HF-Diaphragm Size and Material	1" Titanium	1" Titanium	1" Titanium
HF-Magnet Material	Ferrite	Ferrite	Ferrite
Horn Coverage Pattern	95 degree	95 degree	95 degree
Input Connectors	XLR & 1/4" TRS	XLR & 1/4" TRS	XLR & 1/4" TRS
Output Connectors	XLR	XLR	XLR
EQ	High (12kHz) / Low (80Hz)	High (12kHz) / Low (80Hz)	High (12kHz) / Low (80Hz)
MP3 Audio	-	-	USB (MP3 Record + Playback)
Crossover Type	Precisely tuned crossover	Precisely tuned crossover	Precisely tuned crossover
LED Indicators	Power / Clip	Power / Clip	Power / Clip
Enclosure Material	Polymer	Polymer	Polymer
Grille Gauge	1.2 mm	1.2 mm	1.2 mm
Handle Material / Positions	2 on sides	2 on sides	2 on sides
Monitor position	Yes - Two sides	Yes - Two sides	Yes - Two sides
Suspension / Mounting	Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket
Dimensions (HxWxD)	559 x 370 x 277 mm (22" x 14.6" x 10.9")	679 x 450 x 345 mm (26.7" x 17.7" x 13.6")	559 x 370 x 277 mm (22" x 14.6" x 10.9")
Net Weight	11 kg (24.3 lbs)	16 kg (35.3 lbs)	11 kg (24.3 lbs)

	Jubi 12A Jnr	Jubi 15A Jnr
Woofer	12"	15"
Tweeter	Compression Driver	Compression Driver
Continuous Power Output	320 Watts	320 Watts
Peak Power Output	640 Watts	640 Watts
Minimum THD	0.01%	0.01%
Frequency Response	56 Hz to 20 kHz	53 Hz to 20 kHz
Sound Pressure	123dB	123dB
Total Channels	2	2
Microphone Input	1 XLR + 1 TRS	1 XLR + 1 TRS
Line Input	1 XLR + 1 Stereo RCA	1 XLR + 1 Stereo RCA
Audio Out	1 x 1/4" TRS	1 x 1/4" TRS
EQ	Treble (12kHz), Bass (80Hz)	Treble (12kHz), Bass (80Hz)
Suspension / Mounting	Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket
Dimensions (HxWxD)	559 x 370 x 277 mm (22" x 14.56" x 10.9")	679 x 450 x 345 mm (26.7" x 17.7" x 13.6")
Weight	10.5 kg (23 lbs)	13.8 kg (30 lbs)

Jubi 15AR	Jubi 12A DSP	Jubi 15A DSP
Tweeter: Class AB / Woofer: Class D	Tweeter: Class AB / Woofer: Class D	Tweeter: Class AB / Woofer: Class D
700 Watts	700 Watts	700 Watts
1400 Watts	1400 Watts	1400 Watts
400W @ 8 ohms	400W @ 8 ohms	400W @ 8 ohms
80W @ 8 ohms	80W @ 8 ohms	80W @ 8 ohms
0.01%	0.01%	0.01%
126dB	124 dB	129 dB
53 Hz - 20 kHz	56 Hz - 20 kHz	53 Hz - 20 kHz
15"	12"	15"
Ferrite	Ferrite	Ferrite
2.6 inch	2.6 inch	2.6 inch
1" Titanium	1" Titanium	1" Titanium
Ferrite	Ferrite	Ferrite
95 degree	60 x 100 degree	60 x 100 degree
XLR & 1/4" TRS	Combo (XLR & 1/4" TRS), Mini-Stereo	Combo (XLR & 1/4" TRS), Mini-Stereo
XLR	XLR	XLR
High (12kHz) / Low (80Hz)	3-band EQ, operating mode, crossover	3-band EQ, operating mode, crossover
USB (MP3 Record + Playback)	-	-
Precisely tuned crossover	Precisely tuned crossover	Precisely tuned crossover
Power / Clip	Power / Clip	Power / Clip
Polymer	Polypropylene	Polypropylene
1.2 mm	15mm Steel with Black Powder Coat	15mm Steel with Black Powder Coat
2 on sides	2 on sides	2 on sides
Yes - Two sides	Yes - Two sides	Yes - Two sides
Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket
679 x 450 x 345 mm (26.7" x 17.7" x 13.6")	559 x 370 x 277 mm (22" x 14.6" x 10.9")	679 x 450 x 345 mm (26.7" x 17.7" x 13.6")
16 kg (35.3 lbs)	11 kg (24.3 lbs)	16 kg (35.3 lbs)

Jubi 12A Lite		Jubi 15A Lite
Woofer	12"	15"
Tweeter	Compression Driver	Compression Driver
Continuous Power Output	320 Watts	320 Watts
Peak Power Output	640 Watts	640 Watts
Minimum THD	0.01%	0.01%
Frequency Response	56 Hz to 20 kHz	53 Hz to 20 kHz
Sound Pressure	123dB	123dB
Total Channels	2	2
Microphone Input	1 XLR + 1 TRS	1 XLR + 1 TRS
Line Input	1 XLR + 1 Stereo RCA	1 XLR + 1 Stereo RCA
MP3 Audio	USB (MP3 Record + Playback)	USB (MP3 Record + Playback)
Audio Out	1 x 1/4" TRS	1 x 1/4" TRS
EQ	Treble (12kHz), Bass (80Hz)	Treble (12kHz), Bass (80Hz)
Suspension / Mounting	Stand mounting with 35mm pole socket	Stand mounting with 35mm pole socket
Dimensions (HxWxD)	559 x 370 x 277 mm (22" x 14.56" x 10.9")	679 x 450 x 345 mm (26.7" x 17.7" x 13.6")
Weight	10.5 kg (23 lbs)	13.8 kg (30 lbs)