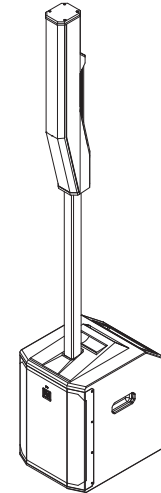# EVOLVE 50M Portable Powered Column System

Electro-Voice

- The EVOLVE 50M joins the EVOLVE 50 and EVOLVE 30M in the award-winning EVOLVE series - globally recognized as the benchmark for performance in column systems

- Professional performance, column convenience - superior Electro-Voice-engineered components and premium materials deliver best-in-class sound quality, power and reliability

- No need to bring additional gear to the gig - onboard eight-channel digital mixer with pro-grade preamps and studio-quality effects

- Easily expand your PA - use QuickSmart Link to connect two EVOLVE 50Ms via a network cable - double your mic/line inputs and mix the whole band via the QuickSmart Mobile app

Electro-Voice is expanding its industry-leading EVOLVE series with the launch of the EVOLVE 50M column loudspeaker system. The EVOLVE 50M features Electro-Voice's new QuickSmart Link digital audio and control technology, an onboard mixer, DSP and effects - all combined within the sleek EVOLVE 50 format. The EVOLVE 50M is the perfect choice for bands/musicians, AV rental companies, DJs and any application where true professional audio performance is required in a super-compact and portable package.

Available in black or white finishes, the EVOLVE 50M combines state-of-the-art industrial design, superior Electro-Voice-engineered components and premium materials to deliver best-in-class sound quality, power and reliability. The full-range column array and its eight lightweight 3.5" neodymium drivers provide ultra-wide, full-bandwidth 120° coverage via proprietary waveguides; array-formed 40° asymmetrical vertical coverage ensures acoustic output is directed towards both sitting and standing audience members. The array enclosure is constructed from a durable composite material and incorporates an ergonomic aluminum handle. A 12" subwoofer is housed in a 15 mm wood enclosure with a high-efficiency laminar-flow vent design, for enhanced rigidity and acoustical performance. The array and sub are connected via a symmetrical aluminum pole with internal wiring and magnetically assisted latching. The speakers are

protected by a black powder-coated 18-gauge steel grille, and an array/pole carry case is included. An advanced Class-D amplifier provides up to 1000 W of power.

Equipped with the most comprehensive and user-friendly feature set of any column system on the market today, the EVOLVE 50M's "M" designation refers to its integrated fully featured, fully configurable eight-channel digital mixer. Developed in collaboration with the world-class audio electronics engineering team at Electro-Voice's sibling brand Dynacord, the mixer has multiple inputs (4x XLR/TRS combo mic/line inputs, 1x XLR/TRS combo stereo line input, 1x RCA, 1x 3.5 mm stereo, 1x Hi-Z instrument input) with professional-grade preamps and mix functions. High-resolution, low-latency Bluetooth® streaming ensures excellent results for music playback or accompaniment. Independent channel aux sends and a foot switch input are also included, and a range of effects (30 presets, including chorus, delay, flange and reverb, via two FX channels) add a myriad of options for musicians to fine-tune their tone. All of the above help to reduce load-in/out and setup/teardown time - and on-stage clutter - by minimizing the need for external equipment such as a mixer and effects pedals.

New from Electro-Voice, QuickSmart Link makes it easy to combine two EVOLVE 50Ms for use together with larger bands or gigs needing more inputs. Simply link the systems together via an Ethernet cable to create an uncompressed digital audio/control connection, pair both systems to a single mobile device via the QuickSmart Mobile app (available via the Apple App Store and on Google Play), and get full mix control of both systems. For applications requiring fewer inputs, but still requiring a mixer and stereo output, the EVOLVE 50M can be matched with an EVOLVE 50 via the MIX OUT XLR connector.

The EVOLVE 50M's control panel features Electro-Voice's powerful QuickSmart DSP, which allows the navigation and adjustment of all audio, effects and mix functions via an LCD with single-knob control or via the QuickSmart Mobile app, as well as multiple options for signal routing and inputs. Functions include four presets (Music, Live, Speech, Club), three-band system EQ (low, mid, high), seven-band graphic EQ (in Mixer mode), five user-programmable presets (Store and Recall settings), phantom power, visual monitoring of limiter status, input level control and meters, and a master volume control to optimize gain structure.

Technical specifications

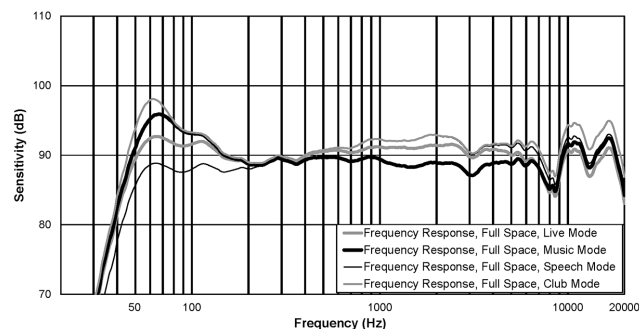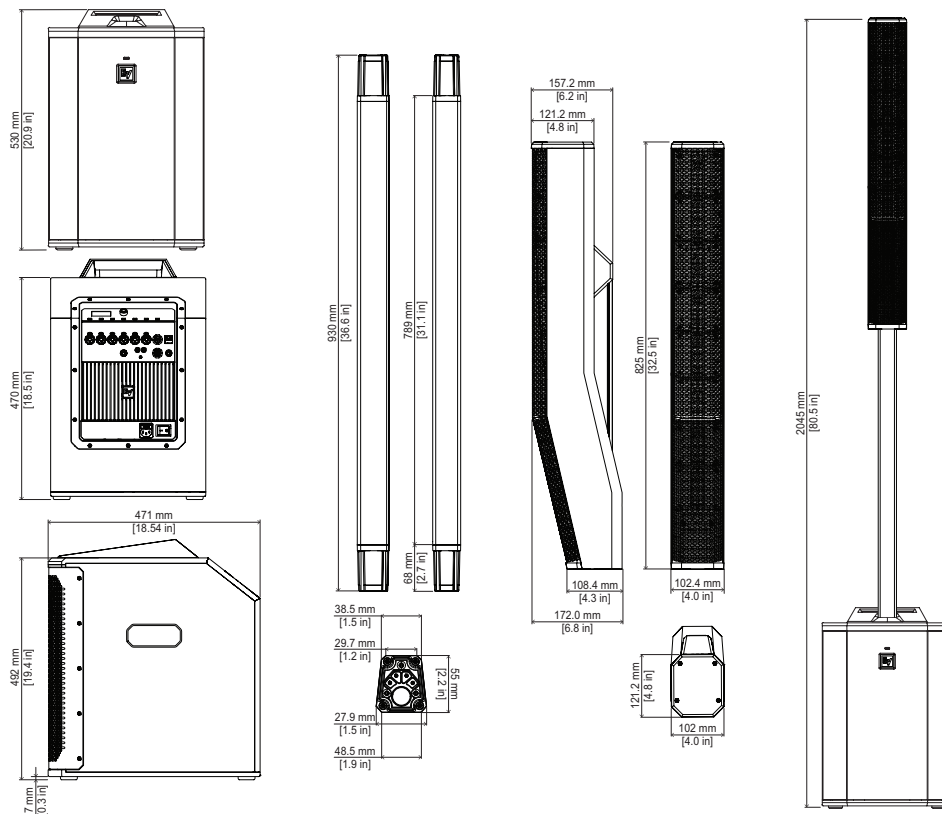|	
Frequency response (-3 dB)[1]:	43 Hz to 20 KHz
Frequency range (-10 dB)[1]:	37 Hz to 20 KHz
Maximum SPL[2]:	127 dB
Coverage (H x V):	120° x 40°
Amplifier rating:	1000 W
LF channel rating:	500 W
HF channel rating:	500 W
Crossover frequency:	200 Hz
Connectors:	4x XLR/TRS Combo Jack Line / Mic Input 1x 1/4" TRS HI-Z input 2x XLR/TRS Combo Jack for Stereo Line Input 1x Stereo RCA Input 1x 3.5 mm Stereo Input 1x Wireless Stereo Bluetooth® Audio Input 1x 1/4" Foot Switch Input 1x XLR MIX OUT Output 1x XLR AUX OUT Output 1x RJ45 QuickSmart-Link connector
Enclosure:	Sub: 15 mm plywood Column: Composite Pole: Aluminum
Grille:	Steel with black or white powder coat
Color:	Black or white
Dimensions (HxWxD): mm (in)	Subwoofer: 530 x 345 x 471 (20.9 x 13.6 x 18.5) Column: 825 x 102 x 172 (32.5 x 4.0 x 6.9) Sub pole: 929 x 48.5 x 55 (36.6 x 1.9 x 2.2)
Assembled dimensions (HxWxD): mm (in)	2045 x 345 x 471 (80.5 x 13.6 x 18.5)
Net weight:	Subwoofer: 20.3 kg (44.66 lb) Column: 4.7 kg (10.34 lb) Pole: 1.25 kg (2.75 lb) Subwoofer cover: 0.4 kg (0.9 lb) Bag for column and pole: 0.85 kg (1.87 lb)
Shipping weight (sub box):	23 kg (50.71 lb)
Shipping weight (column box):	8.3 kg (18.30 lb)
Frequency Band:	2402 MHz to 2480 MHz
Transmitter Power:	EIRP:4.8 dBm
Power consumption[3]:	100-240 V AC, 50-60 Hz, 1.5-0.6 A

[1]Half-space measurement using live DSP preset.
[2]Maximum SPL is measured at 1 m using broadband pink noise at maximum output.
[3]Current rating is 1/8 power.

Frequency response:

Dimensions:

Ordering information

EVOLVE50-TB Column speaker array, pole, black
EVOLVE 50 column array, sub pole, and carrying bag, black
Order number **EVOLVE50-TB | F.01U.335.090**

EVOLVE50M-SB-US Column speaker sub US, black
EVOLVE 50M column subwoofer, US, black
Order number **EVOLVE50M-SB-US | F.01U.384.340**

EVOLVE50M-SB-EU Column speaker sub EU, black
EVOLVE 50M column subwoofer, EU, black
Order number **EVOLVE50M-SB-EU | F.01U.384.341**

EVOLVE50-TW Column speaker array, pole, white
EVOLVE 50 column array, sub pole, and carrying bag, white
Order number **EVOLVE50-TW | F.01U.335.099**

EVOLVE50M-SW Column speaker sub, US & EU, white
EVOLVE 50M column speaker sub, US & EU, white
Order number **EVOLVE50M-SW | F.01U.384.342**

Accessories

EVOLVE50-SUBCVR Subwoofer cover
Cover for the EVOLVE 50 subwoofer, black
Order number **EVOLVE50-SUBCVR | F.01U.336.241**

EVOLVE50-CASE Column speaker carrying case, wheels
Column speaker carrying case with wheels, black
Order number **EVOLVE50-CASE | F.01U.335.110**

EVOLVE50-PL-SB Column speaker pole, short, black
Column speaker short pole, black
Order number **EVOLVE50-PL-SB | F.01U.335.108**

EVOLVE50-PL-SW Column speaker pole, short, white
Column speaker short pole, white
Order number **EVOLVE50-PL-SW | F.01U.335.109**