



Specialty Loudspeakers

S-40

ULTRACOMPACT 5.25" TWO-WAY FULL-RANGE LOUDSPEAKER



Delivering high performance in an ultra-compact package, the S-40 is ideal for both distributed and near-field applications requiring high-quality sound. The two-way short-throw system is housed in an optimally vented, high-impact polystyrene enclosure that is suited for installation both indoors and out. Lows are handled by a 5.25" direct-radiating woofer with a polypropylene cone, while the high-frequency section is a

1" direct-radiating soft-dome tweeter that is ferrofluid cooled. Built-in automatic power limiting independently protects each driver from unsafe transients. With mounting options that are flexible enough for virtually any application, the S-40 is perfect for anything from background and foreground music in restaurants and clubs to near-field monitoring in control rooms and broadcast studios.

- Ideal for both distributed and near-field applications
- Designed for indoor and outdoor use
- Direct-radiating polypropylene-cone woofer
- 1" ferrofluid-cooled soft-dome tweeter
- High power-handling, ultra-linear frequency response
- Vented trapezoidal enclosure of high-impact polystyrene
- Passive crossover with power protection for both woofer and tweeter
- Two OmniMount-compatible 0.25" suspension points

Fri-2082 Fri-28LPM

DUAL 8" TWO-WAY FULL-RANGE LOUDSPEAKER



This speaker remains one of our most popular choices for speech reinforcement, for under-balcony and on-wall locations in permanent installations, and as a high-quality monitor system. Dual 8" drivers in a tuned enclosure are matched to a 1" titanium compression driver with a 100° x 100° Constant Directivity waveguide.

The Fri-2082 comes with a mounting bracket for horizontal or vertical orientation, while the Fri-28LPM has non-skid rubber mounting feet to make it more appropriate for stage monitoring.

- Ultra-compact LF-optimized vented enclosure
- 1" HF driver on Constant Directivity waveguide
- 100° H x 100° V coverage pattern
- Low-profile slanted design
- Versatile 45° aiming angle for under-balcony, on-wall and stage monitoring applications
- Mounting bracket included (Fri-2082 only)
- Two 3/8" suspension points

	S-40
Frequency Response (+/- 3 dB)	85 Hz – 20 kHz
Sensitivity (SPL, 1 W @ 1 m)	85 dB
Max. SPL/1m (calc.)	113 dB
Power handling (Long-term, Short-term)	120 W, 480 W
Coverage, H x V	100° x 100°
Directivity Index	9.8 dB (+3.8/-3.6 dB), 2–20,000 Hz
LF Transducer	5.25"
HF Transducer	1" softdome
Crossover frequencies	3,500 Hz
Nominal impedance (low Z version)	4 Ω
Minimum impedance (low Z version)	3.7 Ω
Input connections	Spring terminal
Dimensions (H x W at front x D)	9.8" x 7" x 5.9" (249 x 178 x 150 mm)
Net Weight (including mounting bracket)	5.7 lb (2.6 kg)

	Fri-2082 & Fri-28LPM
Frequency Response (-3dB)	70 Hz – 20 kHz
Frequency Range (-10 dB)	55 Hz – 16 kHz
Recommended High-Pass Frequency	50 Hz (12 dB/octave)
Axial Sensitivity, Biamp (SPL, 1 W @ 1 m)	93 dB
Max. SPL /1 m (calc.), full space	122 dB
Power Handling, Biamp (Continuous, Peak)	200 W, 800 W
Coverage (nominal -6 dB) H x V	100° x 100° (Const. Dir. waveguide)
LF Transducer	Two 8"
HF Transducer	1" compression driver
Crossover Frequency	2,800 Hz
Nominal Impedance (Biamp)	8 Ω
Input Connections	Barrier strip
Dimensions (H x W at front x D)	8.75" x 24.5" x 14" (222 x 620 x 356 mm)
Net Weight	40 lb (18.2 kg)

See page 50 for S-40 and page 47 for Fri-2082 Rigging and Accessories.



Monitors

CONCERT MONITORS

Our top-of-the-line floor monitors, originally designed as part of the X-Array touring line.

- Two-way, high-output design
- Vented LF enclosure
- Two symmetrical 55° enclosure angles
- Ultra compact for all-size stages

- 3" ND6-16 titanium/neodymium HF compression driver
- 80° x 55° Constant Directivity waveguide
- Neutrik Speakon paralleled pass-through connectors on each end
- Two integrated handles

Xw12A 12" TWO-WAY FLOOR MONITOR



- DL12ST woofer with Ring-Mode Decoupling for vocal clarity

Xw15A 15" TWO-WAY FLOOR MONITOR



- EVX155 woofer with 4" voice coil

TOUR X FLOOR MONITORS

- Compact with high output
- Ideal for small-to-medium stages
- Signal Synchronized Transducers™ for woofer/tweeter alignment
- 1.25" DH3/2010A titanium HF compression driver

- 90° H x 50° V Constant Directivity waveguide
- Integrated 24 dB/octave crossover with HF protection
- Power handling: 500 W continuous, 2000 W peak
- Black EVCoat finish

TX1122FM 12" TWO-WAY FULL-RANGE MONITOR



- Low-distortion SMX2121 woofer with fully symmetric drive
- 99 dB sensitivity, 132 dB maximum SPL

TX1152FM 15" TWO-WAY FULL-RANGE MONITOR



- Ultra low-distortion SMX2151 woofer with fully symmetric drive
- 100 dB sensitivity, 133 dB maximum SPL

	Xw12A	Xw15A
Frequency Response (-3 dB)	65 Hz – 18 kHz	55 Hz – 18 kHz
Recommended High-Pass Frequency	System controller determined	System controller determined
Axial Sensitivity (SPL, 1 W @ 1 m), LF/HF	98/110 dB	99/110 dB
Max. SPL @ 1 m (calc.), full space, LF/HF	129/135 dB	133/135 dB
Long-Term Power Handling, LF/HF	300/75 W	600/75 W
Short-Term Power Handling (peak), LF/HF	1200/300 W	2400/300 W
Coverage (nominal -6 dB) H° x V°	55° x 80° (Const. Dir. waveguide)	55° x 80° (Const. Dir. waveguide)
Directivity Index	11.6 dB (+2.3/-2.1 dB), 1,200–16,000 Hz	11.6 dB (+3.0/-3.6 dB), 1,200–16,000 Hz
LF woofer (transducer)	12" DL12ST	15" EVX155
HF throat diameter (transducer)	1.4" ND6-16	1.4" ND6-16
Crossover Frequencies	Factory preset	Factory preset
Nominal Impedance, LF/HF	8 Ω/16 Ω	8 Ω/16 Ω
Minimum Impedance, LF/HF	8.2 Ω/10.5 Ω	7.2 Ω/14.3 Ω
Input Connections	2 four-pin Speakon	2 four-pin Speakon
Dimensions in floor position (H x W at front x D)	23" x 17.2" x 12.2" (534 x 449 x 313 mm)	25.4" x 18" x 13.4" (644 x 452 x 340 mm)
Net Weight	48 lb (21.9 kg)	62.5 lb (28.4 kg)

See page 40 for Tour X Loudspeakers.

	TX1122FM	TX1152FM
Speaker Type	Full-range	Full-range
Frequency Response (-3 dB)	70 Hz – 20 kHz	65 Hz – 20 kHz
Frequency Range (-10 dB)	55 Hz – 20 kHz	45 Hz – 20 kHz
Sensitivity (SPL, 1 W/1 m)	99 dB (1w/1m)	100 dB
Max. SPL/1m (calc.)	132 dB	133 dB
System Power Handling (Continuous, Peak)	500 W, 2000 W	500 W, 2000 W
Coverage (Nominal -6 dB)	90° H x 50° V	90° H x 50° V
LF Transducer	12" SMX2121	15" SMX2151
HF Transducer	1.25" DH3/2010A	1.25" DH3/2010A
Internal Crossover	Yes	Yes
Crossover Frequency	1,600 Hz	1,750 Hz
Nominal Impedance (Passive)	8 Ω	8 Ω
Minimum Impedance	6.4 Ω	6.2 Ω
Input Connections	Parallel Neutrik NL4	Parallel Neutrik NL4
Enclosure Material	Plywood and MDF with EVCoat	Plywood and MDF with EVCoat
Flying Suspension	Six 3/8" threaded inserts	Six 3/8" threaded inserts
Dimensions (H x W x D)	17.3" x 14.3" x 22.6" (440 x 364 x 573 mm)	18.7" x 17.3" x 25.8" (475 x 439 x 655 mm)
Net Weight	43.7 lb (19.8 kg)	51.9 lb (23.5 kg)