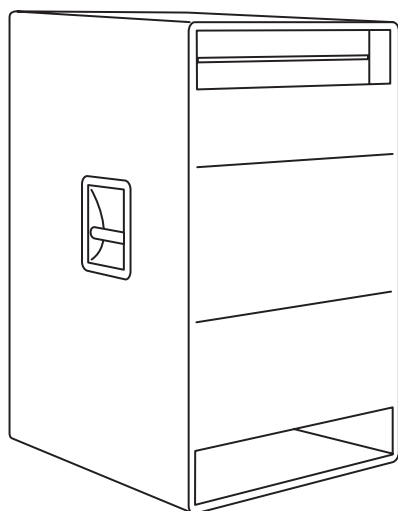


SPL 18

INTEGRATED SELF POWERED
SUB LOUDSPEAKER SYSTEM



ABOUT THE SPL18

The SPL18 is an integrated bandpass subwoofer and amplifier combination, using a single 18" long throw driver. It is designed to provide extended low frequency from 35 Hz to 100 Hz to enhance existing speaker systems.

The cabinet is built throughout from premium grade void free plywood, with extensive bracing to reduce unwanted coloration, and is painted in multiple textured coats of catalysed polyurethane.

Originally designed as a complementary sub bass cabinet for the SPL12, the SPL18 can easily be used with other speaker systems. Since its control electronics and amplifier are built-in, the SPL 18 is the perfect add-on when more low frequency output is required - for any system!

All that's required to vary the system setup are some patch leads and an AC power feed.

INSIDE INFORMATION

The all new amplifier design inside the SPL18 uses existing proven analog amplifier technology for predictable operation in all professional applications.

Its transformer based power supply and Mosfet drive circuitry both enable a reduced parts count for long term reliability. Plus, with their inbuilt self regulation, Mosfets are accepted as being the most thermally reliable and predictable amplifier output stage available.

The 18" bass driver and the output of the amplifier section are perfectly

Applications:

Low Frequency enhancement of:

- Concert Sound Reinforcement
- Auditorium Installations
- Dance Clubs
- Houses of Worship
- Theatre and Film
- Corporate A/V

Features:

- Fully integrated amplifier/speaker combination
- High power and low distortion provide true sonic accuracy
- ISC system protection and *CoolPort™* technology
- A flexible Sub Bass solution for all applications - just connect a signal and AC power

matched to form a composite unit that is designed to do only one thing, and do it extremely well.

BENEFITS

The benefits, both acoustic and practical, of the amplifier/speaker combination are many:

- Improved speaker response. The close-coupled design delivers greater actual power at the speaker and improves the damping factor.
- Thermal reliability. Thanks to our unique heat exchange/cooling design, the harder the system is driven, the more efficiently the heat exchanger operates.
- There is no power loss caused by long runs of loudspeaker cable - typically 30 meters (100') or more. All the amplifier power is delivered to the speaker.
- An elegant all in one solution - amp, processor, speaker are combined. There are no amp racks to store and cool, no heavy speaker cabling to run.
- Reduced number of connections contributes to inherent low noise, and greatly reduces the possibility of ground loops.

OTHER FEATURES

- L and R mix to mono built in. With separate inputs and loop through outputs for Left and Right channels, the SPL18 needs no special setting up when run in a mono Sub configuration.
- Phase Switch and Level control on rear panel for compatibility with existing systems

- Locking AC power connectors. By using the Neutrik PowerCon design, the power connector locks to the cabinet, avoiding the problem of a connector vibrating loose during a performance.

As well, an extra auxiliary AC power output is fitted as standard, so that systems can be powered in a serial/daisy chain layout rather than a radial manner, thus reducing the cabling required.

At ARX we have designed the SPL series to be a true 'building block' audio system.

- It is truly cost effective, with no need for speaker cabling, extra amplifiers or amp racks.
- The modular concept means total flexibility, with system inventory kept at the most efficient level. To increase or decrease the size of the system, simply add or remove cabinets as required.
- With a lower parts count than standard systems, and under-stressed components used throughout, mechanical and electrical reliability is consistent with world's best practice.

To sum up, the SPL series successfully combines state of the art design with practical, proven technology to deliver an integrated speaker/amplifier solution with all the dynamic impact and transparent audio that today's audiences expect.

