

# DATA SHEET: Wall Panels

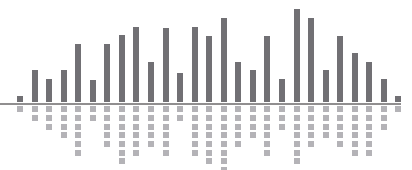
## ARC (Adaptive Remote Controls)

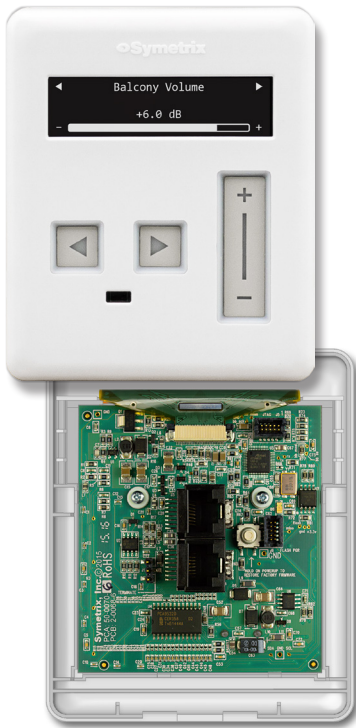
**Why ARC's are better:** One true test of a sound system is how easily end-users can operate it. Symetrix has developed the ARC series of wall panels for easy end user control of Symetrix DSP systems. ARC's handle music source selection, volume control, paging control, room combining, and much more. Flexible and modular, they can be mixed and matched to provide any and every acoustic space with optimum user control.

**Easy to implement:** An important consideration when evaluating remote control options is ease of integration. Third-party control systems can be very expensive and require considerable expertise to program and deploy. ARC's are programmed from the same software application used to configure Symetrix DSP hardware. Configuration and test take minutes, not days. Device IDs (where necessary) are assigned with rotary decimal switches. ARC control parameters are stored in the DSP hardware and can be easily recalled and modified should the need arise.

**Fast and reliable:** ARC's communicate over RS-485, a proven long-distance communications protocol. Command sets are assigned to specific ARC's. Available in multiple form factors ARC's can enable simple control of complex parameters from multiple locations. As an example, a single button press can recall a preset that reconfigures an entire sound system for an alternate application. Security features such as button combination lockouts, user-provided key locks, or PIN codes assure that only qualified users can make adjustments to the system.

**Standard cable and connectors:** ARC's are connected to DSP's via CAT5/6. Multiple ARC's are daisy-chained using the dual RJ45 connectors on each ARC.





The **ARC-3** is a menu-driven remote control with thirty-two menus, each menu with up to thirty-two items used to control basic audio functions or complex logic-based events including volume, preset selection, source selection, room combining, and more. The white on black OLED display is graphics and multi-lingual capable with 256x64 pixel resolution to enhance readability and usability. A contemporary capacitive touch interface with LED highlighting provides users with instant operational feedback.

**Navigation:** Menus are navigated using left and right arrow buttons. The left arrow also functions as cancel and the right as confirmation for menus requiring it. The plus/minus track adjusts parameter settings and scrolls through source or preset lists.

**Behavior:** Display and LED brightness is installer configurable. An ambient light sensor automatically adjusts brightness while a proximity sensor wakes up the ARC-3 when a user approaches. When idle, the ARC-3 can scroll a message, return to the top of its menu tree, display a logo, or the current date and time. Programmable upper and lower parameter limits contain ranges of adjustment and an optional PIN code prevents tampering.

**Universal mounting:**

- 1) Flush mount in a single gang in-wall electrical box (US or EU/UK).
- 2) Surface mount with mating to a single gang in-wall electrical box (US or EU/UK). Sold as a single SKU – surface mount box and flush mount adapter flange included.



The **ARC-2e** is a menu-driven remote control for Symetrix DSPs with twenty- four menus each with up to sixteen items used to control multiple basic functions or complex logic-based events including volume, presets, source selection, room combining and more. The 8-character backlit display supports up to thirty-one scrolling characters, providing user feedback for control assignments, default settings, and actions. The three buttons navigate menus, adjust parameters, and enable or disable the wall panel. The ARC-2e mounts in a single gang electrical box (US).

**Navigation:** Pressing the menu button moves the user through the menu names. The menu button also acts as a preset trigger when a preset list is scrolled. The up/down arrow buttons adjust parameter settings and scroll through preset lists. Holding the menu button and using the up/down arrow keys move the user forward or backward through the menus.

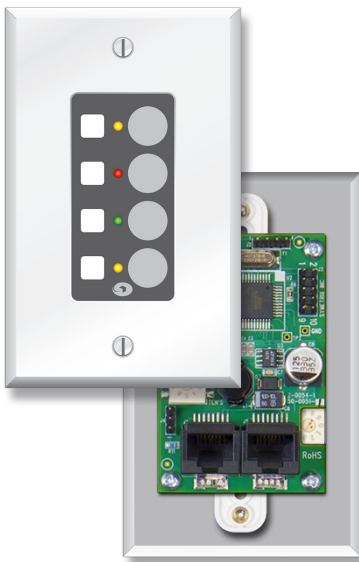
**Behavior:** The wall panel's behavior is programmable. Menu brightness in active and inactive states can be set independently so the display will dim in light-sensitive environments. When idle the ARC-2e can scroll a message and return to the top of its menu tree. Programmable upper and lower parameter limits contain ranges of adjustment and a button press lockout prevents tampering. The ARC-2e is furnished with a white faceplate and mounts in a single gang electrical box (US).





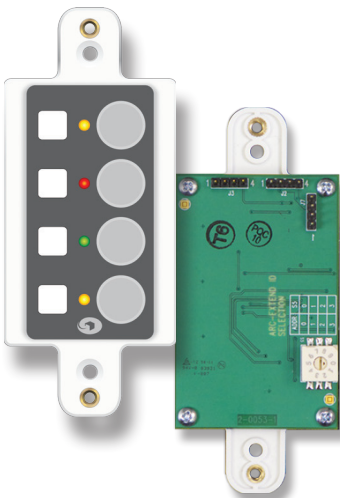
The **ARC-K1e** features a push-button rotary encoder providing simple control of one or two parameters (typically volume) in the Symetrix DSP hardware. An 8-segment LED ladder provides instant user feedback, clearly indicating relative levels. Two additional LEDs illuminate to show which of the two controls is active.

ARC-K1e has an idle mode option for dimming in light-sensitive environments. Hardware lockout pins support an installer supplied key switch. Furnished with a white single gang Decora® faceplate the ARC-K1e fits in single gang US wall boxes (sold separately) for in-wall or surface mount applications.



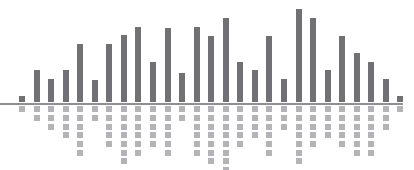
The **ARC-SW4e** is features four switches that are programmable as momentary, latched or radio buttons. ARC-SW4e provides simple control over mutes, source selection and preset triggering. Corresponding tri-color LEDs provide user feedback. LEDs may be linked to buttons, or, LEDs and buttons may be programmed independently.

ARC-SW4e has an idle mode option for dimming in light-sensitive environments. Hardware lockout pins support an installer supplied key switch. Furnished with a white single gang Decora® faceplate the ARC-SW4e fits in single gang US wall boxes (sold separately) for in-wall or surface mount applications.



The **ARC-EX4e** is identical in function to the ARC-SW4e and provides a low cost method to expand the capabilities of either an ARC-SW4e or an ARC-K1e. The ARC-EX4e cannot be used standalone nor can it be combined with an ARC-2e. Up to four ARC-EX4e's may be combined with an ARC-K1e and up to three ARC- EX4e's may be combined with an ARC- SW4e. The ARC-EX4e accommodates Decora® faceplates (sold separately).

To these base Modular ARC devices, one can add a maximum of:	ARC-EX4e
ARC-K1e	4
ARC-SW4e	3



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## RC-3: A basic analog remote control.

Many systems require a simple and cost-effective single point of control. For these situations, Symetrix provides the RC-3 analog remote control. The RC-3 interfaces with Symetrix external control inputs to provide volume control and source or preset selection with minimal programming. Because it's analog, the RC-3 lacks the sophisticated network intelligence of the ARC's, yet it is well suited to basic single point of control applications.



The **RC-3** Single remote volume control mounted in a Decora® wall plate.

The RC-3 is compatible with many Symetrix and SymNet processors: any device with a remote volume port that accepts standard potentiometers.

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## Architect and Engineer Specifications: Symetrix Wall Panels.

The series of wall panels shall be designated in two groups – Adaptive Remote Controls (ARC) and standard Remote Controls (RCs).

ARCs may be divided by functionality into the Menu and Modular ARCs. The Menu ARC-3 shall include one 256x64 pixel resolution white on black OLED backlit display and three capacitive touch areas for menu selection and value increment/decrement. The Menu ARC-3 shall mount into a single gang electrical box (US/UK/EU) or surface mount with the included enclosure. Power and control shall be connected via two RJ45 connectors. The Menu ARC-2e shall include one 8-character backlit alpha-numeric display, one momentary button for menu selection, and two momentary buttons for value increment/decrement. The Menu ARC-2e shall mount in a standard U.S. single-gang box. Power and control shall be connected via two RJ45 connectors. Modular ARC wall panels shall consist of multiple models that mount in standard U.S. single-gang box, and shall be compatible with standard Decora® faceplates. ARC-K1e shall include one push-button rotary encoder, one eight-segment LED stack, and two status LED indicators; ARC-SW4e shall include four momentary buttons with four corresponding status LED indicators; ARC-EX4e shall include four momentary buttons with four corresponding status LED indicators. All Remote Controls shall function as user interfaces for Symetrix DSP systems. All shall be configured by software provided with the hosting device to assign control within DSP system components. RS-485 communications shall be utilized for software control and configuration. The series of wall panels shall be CSA tested to UL 60065. The series of wall panels shall be Adaptive Remote Controls (ARCs).

RC wall panels shall mount in a standard U.S. single gang box, and the RC-3 shall be compatible with standard Decora® faceplates. RC-3 shall include one rotary potentiometer. It shall connect to a Symetrix device's analog control inputs via screw-type barrier strips utilizing standard shielded twisted pair wiring with two conductors plus ground for the RC-3. RC-3 shall be configured by software provided with the hosting device to assign control within DSP system components. The series of wall panels shall be CE marked, CSA tested to UL 60065. The series of wall panels shall be Remote Controls (RCs).

