

# ARC-16 Web Interface

## IP-BASED SITE CONTROL



### TCP/IP CONTROL FOR THE ARC-16

The ARC-16 Web Interface integrates the capabilities of TCP/IP with the ARC-16, adding new ability and more versatility. By linking the ARC-16 to a built-in Web server, the Web Interface allows control of remote sites from a Web browser on any networked PC – whether or not there is Ethernet at the transmitter site.

Email alarm notifications greatly extend the reach of the ARC-16 system, and flexible installation and configuration options give the users complete control of their site.

### INTUITIVE WEB-BASED MONITORING

Using a Web browser, users can log into their ARC-16 sites and access all metering, status and control channels via the TCP/IP connection. The browser window provides



easy navigation between multiple sites, and the familiar web-based environment is comfortable and responsive. Data updates are sent to the PC as soon as they are received by the Web Interface, eliminating the long delays associated with “refresh” intervals.

### INSTALLS AT THE STUDIO OR TRANSMITTER SITE

The ARC-16 Web Interface provides full-time TCP/IP access whether or not the transmitter site is equipped with an Ethernet connection. Users can connect the Web Interface to the ARC-16 studio unit and control the connected ARC-16 sites via the Web. Even without a studio unit, the Web Interface can reside at the studio and use data from a full-time serial link to provide Web-based control for a remote transmitter unit.

### MULTI-SITE CAPABILITY

Broadcasters monitoring more than one location can install a single Web Interface at the studio to monitor all other connected ARC-16s, or the user can dedicate a Web Interface at each remote site for redundancy. If you ever add a new ARC-16 to your system, it's easy to add that site to your Web-based display.

### ALARM NOTIFICATIONS TO PAGERS, CELL PHONES, PDAs, PCs

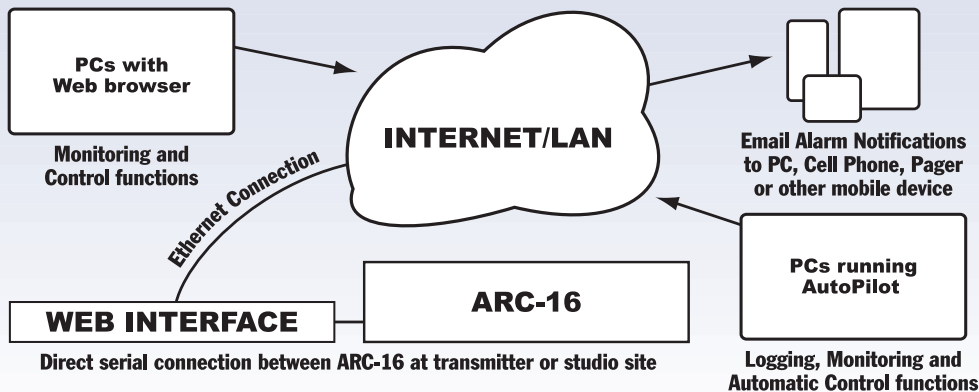
Email alarm notifications provide a convenient way to stay informed of conditions at the remote site, and can be used in combination with on-screen notifications from AutoPilot® software, or with ESI voice dial-out. Whether users depend on email alerts to respond to the problem condition, or to merely stay informed of alarm calls that others will answer, the Web Interface expands the reach of the ARC-16's notification capabilities.

### FLEXIBLE NETWORK INTEGRATION

Based on how the ARC-16 Web Interface is configured on the network, users can determine the level of access allowed. Operators can control their sites from the LAN, or even allow access from the Internet if desired. This means the ARC-16 Web Interface is equally suited to central monitoring operations as it is to applications where users may need access from a variety of locations.

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## INSTALLS WHEREVER AN ETHERNET CONNECTION IS AVAILABLE



The ARC-16 Web Interface provides a TCP/IP link to all connected ARC-16 units. The user can install the ARC-16 Web Interface at the transmitter site or studio location – wherever an Ethernet connection is available. Even without a direct connection to an ARC-16 unit, operators can connect the ARC-16 Web Interface to any full-time serial modem.

## RUN AUTOPILOT OVER THE INTERNET

With the ARC-16 Web Interface and AutoPilot software, users can establish a software connection to their ARC-16 over the Internet. This ability gives operators the flexibility to run AutoPilot without dial-up modem connections. With an AutoPilot connection over TCP/IP, broadcasters have greater power when it comes to software-based remote control.

## MULTI-CLIENT SUPPORT FOR MULTIPLE OPERATORS

The ARC-16 Web Interface handles simultaneous users easily, making a multi-operator environment more manageable. Multiple users can log in from the Web to take readings and issue commands, while a central monitoring facility stays connected full-time.

## SECURE, RELIABLE SOLUTION

The ARC-16 Web Interface allows a user name and password for each operator, allowing administrators to control access to the ARC-16 Web Interface. Security protocol is built into the hardware to prevent unauthorized access, and communication with the device is disabled as soon as unexpected activity occurs.

## SPECIFICATIONS

### DIMENSIONS:

1.75" (4.45 cm) H x 19" (48.26 cm) W x 10" (25.4 cm) D

### OPERATING TEMPERATURE:

0° to 50° C

### POWER REQUIREMENTS:

100 to 240 VAC, 50/60Hz; 20W

### REAR PANEL CONNECTORS:

#### SERIAL PORTS:

**ARC-16:** For full-time serial link or direct connection to the ARC-16 ESI or CI.

**PASS THRU:** Allows connection of multiple accessory devices to the ARC-16.

**CONFIG:** Provides PC Link for initial configuration.

#### RJ-45 ETHERNET PORT:

Ethernet port connects to LAN/WAN. LEDs show link status and activity.

### SYSTEM REQUIREMENTS:

**LAN/WAN:** 10BaseT LAN Connection at the studio or transmitter site; Static IP address assignable to the Web Interface; For site access from the Internet, the IP address must be public; Broadband ISP service for access from the public Internet.

**For Web-based monitoring and control:** Windows®-based computer with Internet Explorer 5.0 or higher or Mozilla Firefox browser; Sun Microsystems Java Virtual Machine version 1.4.2 or higher; 56K Internet access or faster, broadband connection recommended; 1024 x 768 screen resolution or higher recommended.

**For AutoPilot operation via the Web Interface:** AutoPilot version 2.3 or higher.

**ARC-16 Requirements:** Firmware Version 5.0 or higher. One ESI or CI required per ARC-16 system.

All specifications are subject to change without notice.

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