INTRODUCTION
The VL580 IP Large Display provides highly visible message output over an Ethernet network. Text messages are created and delivered from a Valcom Application Server.

SPECIFICATIONS
Features
- Easy to read, high visibility
- Font and color options
- Power over Ethernet (PoE+) 802.3at compatible
- Display can operate as a clock or provide other message during idle periods
- Relay connection for optional equipment
- Audio Line-level output connection

Dimensions / Weight
- 80.75" W x 12.13" H x 3.0" D (205.10cm W x 30.81cm H x 7.62cm D)
- Weight: 42 lbs (19.05kg)

Nominal Power Requirements
802.3at (PoE+)

Environment
Temperature: - 20° to +50° C
Humidity: Direct rain,
10ft max distance power washing
2000 to 3100 psi, 25 degree nozzle

FCC Information
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at one’s own expense.
**INSTALLATION**

### Mounting

The VL580 message display should be mounted with appropriate hardware (not included) for the structure to which it is attached. All building codes and requirements must be followed. It is recommended to attach the mounting base into wall studs. A vial level is included to assist with leveling the mounting base. (Figure 2)

### CONNECTIONS

**Network Connection / Power**

The VL580 has one RJ-45 network connector. Connect a standard patch cable to the VL580 from an Ethernet switch supporting the Power over Ethernet specification 802.3at (PoE+). If a PoE+ switch is not available, a mid-span injector may be used to supply power to the display, or an optional Valcom 24 Vdc power adapter may be connected to the barrel connector on the circuit board (see Figure 1).

If using external power, the recommended power supply is a VP-2124D.

**Relay Connection**

One relay output is provided through three screw terminals labeled Normally Open (NO) and Normally Closed (NC). The center screw terminal is common to both NO and NC. The relay contacts are rated 1 amp @ 24Vdc.

**Line Out Connection**

The Line Out connection provides line level output sufficient to drive up to 40 Valcom self-amplified speakers.

**Status / Demo / Reset**

A multifunction button is provided to display information and/or reset the VL580 configuration. The button is located on the edge of the circuit board as shown in Figure 2. The button provides different functions depending on the duration the button is pressed.

**Status Mode**

Press the button for approximately 1 second and release and the Status display will show the current IP Address, Power Source status and the last four digits of the MAC address.

**Demo Mode**

While the VL580 is in Status Mode, pressing the button again will enable Demo Mode. In this mode, the VL580 will display a scrolling sample message. Demo Mode will display for about 30 seconds then the VL580 returns to normal operation.

**Reset Modes**

Pressing the button continuously for greater than 10 seconds, but less than 20 seconds, will perform a soft reset on the VL580. The IP address will be reset to the factory default setting. Other configuration items will not be affected.
Pressing the button continuously for greater than 20 seconds will perform a hard reset on the VL580. All of the configuration items (including the password) will be reset to factory default settings.

Setup
Information specific to your application will need to be programmed into the VL580 using a computer. The PC used for programming should be connected to the same subnet as the VL580. Setup will be done using the IP Solutions Setup Tool. Download the latest version of the free IP Solutions Setup Tool from the Valcom website at www.valcom.com/vipsetuptool.

TECHNICAL ASSISTANCE
Assistance is available from the factory when problems are encountered. Call (540) 563-2000 and press 1 for Technical Support or visit our website at http://www.valcom.com

Valcom, Inc. equipment is not field repairable. Valcom maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person, and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair and Return Dept.
5614 Hollins Road
Roanoke, VA 24019-5056

WARRANTY
Warranty information may be found on our website at www.valcom.com/warranty.

Figure 2. Mounting Diagram