VHM™ Wall Mount

Installation Instructions for S Series™ or NanoMaxx™ Ultrasound System

Introduction

These installation instructions supplement the GCX installation documents included with the VHM wall mount and optional keyboard tray. They include additional information specific to the S Series and NanoMaxx ultrasound systems.

In addition to the kit contents below, you need a power supply and a transducer holder. These items typically are included with the ultrasound system, depending on your configuration. For more information, contact SonoSite or your SonoSite representative.

Kit contents

You need the following items to install the VHM wall mount.

Note: Extra items not needed for installing the ultrasound system may be included in the packages. Unrelated items may be packaged together.

VHM wall mount kit

- 19″ seismic wall channel
- VHM wall mount w/ 8″ arm
- External power supply flush wall mount (power supply bracket)
- Wall mount utility basket 6″/15.2 cm with cord wrap and cable hooks
- Screws

Additional for NanoMaxx system

- VESA mounting adapter
- 1/2″ nylon spacers (4)

Optional keyboard tray kit (S Series system only)

- 9″ flat keyboard plate
- Hook-and-loop strips
- Adjustable Height L Bracket
- Spacing plate
- 5/8″ nylon spacers (4)
- Screws

Assembling the VHM wall mount

Assembling the VHM wall mount involves installing the arm, power supply bracket, utility basket, and optional keyboard for S Series and attaching the ultrasound system.

Attaching the ultrasound system is easier with more than one person.

To install the arm and power supply bracket

1 Install the 19″ seismic wall channel. See *PolyMount Wall Channel Installation Instructions*.

   To determine the optimal height for the wall channel, assess the clinical environment, including the user's sitting height.

2 Install the power supply bracket at the bottom of the wall channel. See *Installation Guide: Power Supply Bracket for Channel Mounting*.

3 Install the arm above the power supply bracket, allowing space for the power supply. See *Installation & Operation Manual for VHM™ Series Arms*.

To install the utility basket

❖ Install the utility basket above the arm. See *GCX Mounting Assembly Installation Guide: Utility Basket (3.5″ or 6″) Wall Mount*.

To attach the NanoMaxx ultrasound system

1 Attach the transducer holder to the ultrasound system. See the instructions included with the transducer holder.

2 Attach the ultrasound system to the wall mount, using the VESA mounting adapter and four 1/2" nylon spacers. (See Figure 1.) See *Installation Guide: Mounting Kit for 75/100mm VESA® Compatible Flat Panel Displays*.

   The adapter attaches to the transducer holder, which is attached to the ultrasound system.

Tip: Loosely connect one spacer under one corner of the adapter at a time. When all four spacers are connected, tighten them.

Figure 1 VESA mounting adapter and spacers connected to the NanoMaxx ultrasound system

To attach the S Series ultrasound system only

1. Attach the transducer holder to the ultrasound system. See the instructions included with the transducer holder.
2. Attach the ultrasound system to the arm. See the instrument mounting instructions in *Installation & Operation Manual for VHM™ Series Arms*.

To attach the S Series ultrasound system and keyboard

1. Install the keyboard:
   a. Attach the Adjustable Height L Bracket to the arm. See *GCX Mounting Assembly Installation Guide: Installation and Operation Guide for Adjustable Height L Bracket – FLP-0004-84.* The initial steps may already be completed.
   b. Attach the keyboard tray and keyboard. See *Installation Guide: Keyboard Mounting Plate and Keyboard Tray.*

WARNING:	To prevent the keyboard from falling and causing injury, make sure to secure it with the hook-and-loop strips as instructed. To prevent injury, use the keyboard tray only to hold the keyboard. Do not place other items on the keyboard tray.

2. Attach the transducer holder to the ultrasound system. See the instructions included with the transducer holder.
3. Using a Phillips screwdriver and four 25mm screws, connect the spacing plate and four 5/8" nylon spacers to the back of the ultrasound system. (See Figure 2.)

   Place the spacers between the spacing plate and the system.

   Tip: Loosely connect one spacer under one corner of the spacing plate at a time. When all four spacers are connected, tighten them.
4. Mount the ultrasound system onto the Adjustable Height L Bracket according to the instructions in *Installation and Operation Guide for Adjustable Height L Bracket - FLP-0004-84.*
5. Connect the keyboard cable to a USB port on the ultrasound system.

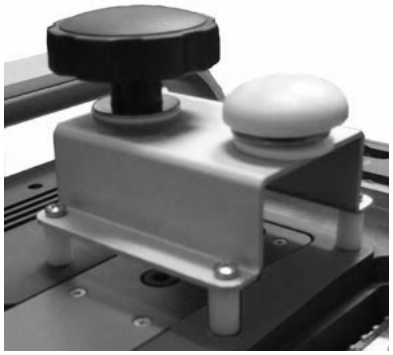

Figure 2 Spacing plate and spacers connected to the S Series ultrasound system

Connecting the power supply

To connect the power supply

1. Place the power supply into the power supply bracket, and secure. See *Installation Guide: Power Supply Bracket for Channel Mounting.*
2. Connect the power supply cord to the system's AC connector. See the ultrasound system user guide for more information.

Securing cables

WARNING:	To avoid injury or a damaged peripheral, use a cord that is long enough to accommodate the peripheral when the wall mount is extended fully. A cord that is too short can pull the peripheral from its mounting.
Caution:	To prevent cables from getting caught in the wall mount and damaged, properly secure them. See "To secure cables."

To secure cables

- To secure the system power supply cord and any cables that connect to the back of the system, see instructions in *Installation & Operation Manual for VHM™ Series Arms*.
- To secure the transducer cable when not in use, wrap it around the hook on either end of the utility basket.
- To secure the keyboard cable, coil the excess and secure it to the L bracket with an extra hook-and-loop strap included with the power supply bracket. (See Figure 3.)

Figure 3 Keyboard with excess cable secured

Tilting and swivelling the ultrasound system

You can tilt and swivel the ultrasound system as needed for optimal viewing. Use both hands on the system. Follow the instructions in the following documents:

- *Installation & Operation Manual for VHM™ Series Arms*
- *Installation and Operation Guide for Adjustable Height L Bracket - FLP-0004-84.*

WARNING:	To avoid injury, do not reposition the mounting arm or ultrasound system by pushing or pulling the transducer holder or any cable or cord.

Safety

WARNING:	To avoid electrical shock when connecting a peripheral to AC power, use the same electrical outlet for both the peripheral and the ultrasound system. To avoid injury or damaged equipment, do not place items on top of the system. They may fall off. Place the transducer securely in the transducer holder when not in use. Place other items (for example, gel) in the utility basket.
Caution:	To prevent the mounting arm from moving suddenly when you remove the ultrasound system, make sure to follow GCX instructions for adjusting tensions and motion stops. To prevent a collision with the mounting arm, position the mounting arm close to the wall when not in use.

Cleaning and disinfecting

For instructions to clean and disinfect the mounting assembly, see *Installation & Operation Manual for VHM™ Series Arms.*

For instructions to clean and disinfect the ultrasound system, see the ultrasound system user guide.

SonoSite user documentation, including this document, is available on SonoSite's Web site, www.sonosite.com.

The SonoSite product(s) referenced in this document may be covered by one or more of the following U.S. patents: 5722412, 5817024, 5893363, 6135961, 6203498, 6364839, 6371918, 6383139, 6416475, 6447451, 6471651, 6569101, 6648826, 6575908, 6604630, 6817982, 6835177, 6962566, 7169108, 7449640, D456509, D461895, D509900, D538432, D544962, D558351, D559390, D591423, and by the following counterpart foreign patents: AU727381, AU730822, CA2373065, CN ZL 97113678.5, CN ZL 98106133.8, CN ZL 98108973.9, DE60021552.0, DE60029777.2, DE60034670.6, DE69730563.5, DE6980539.6, DE69831698.3, FR0815793, FR0875203, FR0881492, FR1175713, FR1180970, GB0815793, GB0875203, GB0881492, GB1175713, GB1180970, GB1180971, IT0815793, IT0881492, IT1175713, KR528102, KR532359, NO326202, NO326814, NZ542968, RCD000897368-0001, SP0815793, SP0881492. Patents pending.

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