

## General Installation

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### Connecting the Video Source and Outputs

A video source provides the Pointmaker a video image. The Pointmaker incorporates any annotations, then outputs the combined annotations and video image to a display. Examples of video sources include DVD players, computers, cameras, and television sets. Outputs can be to projectors, monitors or other display devices. In the Pointmaker CR-400, the source can be from HDMI or USB.

#### HDMI Connectors

To connect HDMI video:

1. **HDMI Input into Pointmaker:** Using HDMI video cable, connect the Pointmaker HDMI In on the back panel to HDMI out on a HDMI video source.
2. **HDMI Output from Pointmaker:** Using HDMI video cable, connect the Pointmaker HDMI Out to HDMI In on a HDMI video source.

#### USB Connectors

Connect the device to one of the USB ports on the back of the Pointmaker. The system supports up to 5 USB 3.0 devices, and can support more with a hub.

### Connecting Physical Controllers

**IMPORTANT: Be sure to power down the Pointmaker before connecting or disconnecting any controllers. The Pointmaker will automatically detect installed controllers once powered on. If you change controllers or add a new controller, you need to power down, install the new controller(s), then power the device on.**

#### Connecting a Keyboard, Tablet or other USB Devices

Connect the device(s) to any USB port on the Pointmaker. The system supports up to 5 USB 3.0 devices.

#### Connecting the Phoenix-style Connector

Connect the wires from your remote power controller (or other device) to the Pointmaker's Phoenix-style connector (green connector labeled PWR SW). When the relay is thrown, the Pointmaker will power on or off, as a toggle.

### Connecting Touch Screens and Whiteboards

The Pointmaker is compatible with many types of touch screens. Install the touch screen to the monitor as directed by your touch screen manufacturer.

### Connecting a Mouse Device via USB

Connect the mouse device to a USB port on the back of the Pointmaker.

### Remote Control: CR-400 Control App

The CR-400 has the CR-400 Control app. This app is available for Apple phones and tablets from the Apple App Store. The app allows you to control the CR-400 remotely make annotations, and switch video sources from your Apple device. For more information on the app, see For Additional Information

## Power On

**NOTE: In order for the Pointmaker to properly sync with the video signals, the sources should be turned on first.**

To power on the CR-400:

1. Plug the power cord into the back of the Pointmaker and then into any grounded outlet.
2. Plug the power cords from any video source(s), controller(s), and display(s) into any grounded outlet.
3. Turn on each of the connected units, and then press the power button on the front panel of the Pointmaker.

After a moment, a Pointmaker splash screen will appear, followed by the initializing of the ports, and ending with a copyright message.

## Basic Configuration

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### Main Menu Basics

The main menu is a large, hidden main menu system mostly used for setup and configuration.

**Use a keyboard to access this menu for initial configuration.** This menu will need to be accessed to get your device connected to the network.

#### Activating the Menu

**Keyboard:** Press Setup Menu (Print Screen) key.

**Touch Screen (or Whiteboard):** Tap the upper center function area.

### Making Menu Selections

**Keyboard:** Use arrow to move to your selection and press the Enter key.

**Touch Screen (or Whiteboard):** Tap the screen over the option you want to select.

## Network Setup

1. Activate the menu system. The Main Menu appears.
2. Select the **Network** option. The Network Menu appears.
3. Select **Network Setup**. The Network Setup menu appears. This dialog prepares the CR-400 for communicating on your network.
4. Select **DHCP** or **STATIC**. Consult with your IT administrator if you need help with these entries.
  - If **DHCP** is selected, IP Address, Netmask, Gateway and Nameserver are assigned automatically.
  - If **STATIC** is selected, you must make entries for IP Address, Netmask, Gateway and Nameserver.
5. Enter the hostname, if desired. The hostname must be one word with no spaces.
6. Select **Apply Settings** to finish the network configuration.
7. Exit the menu system.

## Selecting Video Sources

If the correct video source was not automatically selected:

1. Activate the main menu.
2. Select **Display**. The Display menu appears.
3. Select **Video Source**. The video source menu appears.
4. Select from HDMI, USB, Streaming, or chalkboard.
5. If streaming, enter any additional stream information.
6. Select the video source you wish to use, and exit the menu system.

## Calibrating Touch Screen Controllers

Calibration ensures an intuitive and precise feel to drawing and marking over the particular monitor you are using.

Calibrations are automatically saved for each video port. If you move a touch screen to a different port, run the calibration again. If you have a touch screen display with multiple video inputs, you should calibrate the touch screen for each input.

All calibrations are stored in battery backed-up memory. The most recent calibration will be recalled any time power is cycled off and on.

### From the Menu System

1. Activate the menu system. The Main Menu appears.
2. Select **Devices**. The Devices menu appears
3. Select **Calibration**. The Calibration Menu appears.
4. In the Calibration Menu, select the **controller** you want to calibrate. The calibration screen for the selected controller appears.
5. Follow the calibration instructions displayed on-screen. As you touch the target, it will disappear and the next target will appear. Repeat until all 12 targets have been calibrated. After you perform final calibration procedures, the Calibration dialog automatically disappears, and you return to the menu system.
6. Exit the menu system. Repeat this process for each video input on your touch screen display.

## For Additional Information

This manual is a quick start guide for getting your Pointmaker device up-and-running. It covers basic cable connection and setup. Most features and customization options are not documented in this manual.

For additional information, feature instructions, commands, warranty information and more, please download the full user manual from the Pointmaker CR-400 product page on Pointmaker's website.



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