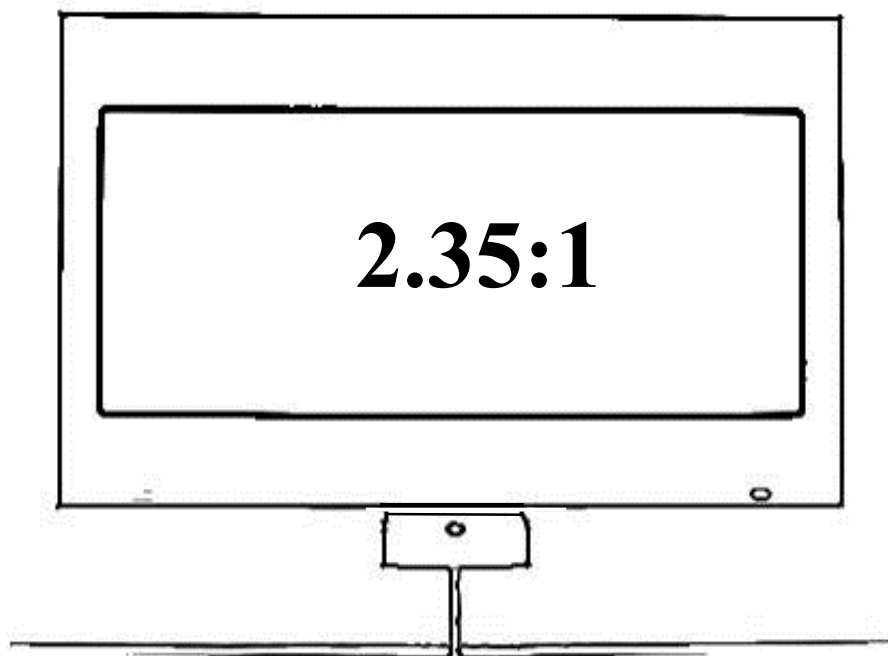
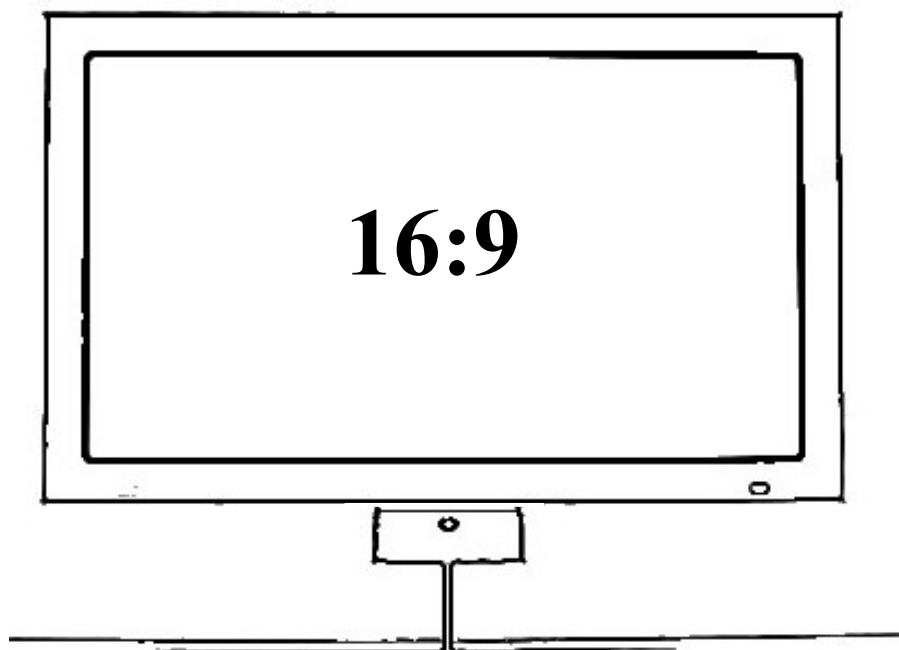




Horizontal Masquerade™ Masking System *Owner's Manual*



PARTS LIST

- A.** Top structure with motor assembly and masking bar (Headrail)
- B.** Bottom structure with spring mechanism, masking bar, and control board
- C.** Two short side-fascia members
- D.** Wall bracket
- E.** Wood screws
- F.** Plastic shims
- G.** ½" nuts
- H.** #10-32 3/8" machine screws
- I.** Drywall anchors, screws and washers
- J.** IR wireless Remote Control (2 AAA batteries included)
- K.** Installation and instruction manual

TOOLS SUPPLIED

- 1. ½" open-end wrench
- 2. Pocket flat-head screwdriver

TOOLS REQUIRED

- 1. #2 Philips Head Screwdriver
- 2. ½" Socket Driver
- 3. Level
- 4. Carpenter's Square
- 5. Pencil
- 6. Measuring Tape

OPTIONAL TOOLS

- 1. 2" socket extension for socket driver
- 2. Power screwdriver or variable speed drill
- 3. Scissors (for unpacking)

Part 1: Unpacking your Masquerade™

IMPORTANT NOTE: *We highly recommend you retain ALL packaging materials in case you need to move your Masquerade masking system to another home theater in the future.*

Step 1 - Remove the accessory hardware pack and remote control.

Step 2 - Remove the two shorter side frame members [part C] and set in a safe place. Be careful with the fascia pieces so as to not damage the Black Hole® trim. Remove wall bracket [part D] from cardboard shelf



If you purchased a Carada MMS Series projection screen (custom designed to fit with your Masquerade Masking System) please stop here and go to the instructions for mounting your screen

FIRST. Once you have that installed, come back to these instructions to continue the Masquerade installation.

If you have a Carada Criterion Series or Precision Series, or another brand projection screen please continue here to Step 3.



Figure 1



Figure 2

Step 3 – Remove remaining screws from the sides of box and lay box flat on floor. [Figure 2] Pull protective plastic sheeting out and lay flat.

Step 4 – Remove foam spacer blocks at each end of structure. Using a ½" socket and the provided ½" open end wrench, remove the bolt that connects the two main structures to the U-shaped end brackets which are attached to plywood end-caps (the bolt passes through an aluminum spacer tube). Carefully cut through plastic ties that hold bottom masking bar in place during shipping

Step 5 - Place all packaging materials back in the box and reattach crate to plywood end-caps with the Philips head screws. Store crate in a dry storage area in case it is needed in the future.



Figure 3

Part 2: Attaching the wall bracket to the wall

Pictures and instructions assume a sheetrock wall with studs behind on 16" centers – adjustments may have to be made for other mounting surfaces. For questions or concerns please email or call Carada for installation assistance.



If you purchased a Carada MMS Series projection screen (custom designed to fit with your Masquerade Masking System) you should have already installed the MASQUERADE wall bracket along with the MMS Series projection screen according to the instructions that came with your projection screen. If so, proceed to PART 3 – Mounting the Masquerade – Step 10

You should now have your projection screen installed on the wall. If you have a Carada Criterion Series or Precision Series, or another brand projection screen, please proceed to Step 6.

Step 6 - The BOTTOM of the wall bracket [part D] should be mounted $4\frac{5}{8}$ " above the top of the VIEWING SURFACE of your screen as pictured in Figure 4.

Alternatively, you can subtract your screen frame's width from $4\frac{5}{8}$ " and mount the bottom of the wall bracket that distance above your screen's frame. For example, if you have a projection screen with a top frame member that is $3\frac{1}{4}$ " wide (like our Criterion Series frame), then the BOTTOM of the wall bracket should be mounted $1\frac{3}{8}$ " above the top of the screen's frame ($4\frac{5}{8} - 3\frac{1}{4} = 1\frac{3}{8}$). Once you have computed the correct location, mark this location on your wall with a pencil.

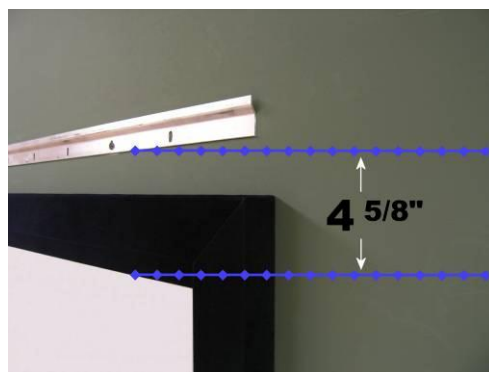


Figure 4

IMPORTANT NOTE: Although having the masking system AND your projection screen perfectly level would be preferable, it is more important to make sure that the masking system MATCHES the orientation of your current screen. For example, if your screen is slightly askew in the clockwise direction, then your masking system should be slightly askew in the same direction, to the same degree, so that the opening of the masking system, and the masks, will perfectly frame your viewing surface. So when figuring the proper distance from your screen's frame to the bottom of the wall bracket, carefully measure that distance in SEVERAL places across the length of the bracket to ensure that it is perfectly parallel with your screen's frame and viewing surface.

Step 7 ñ The bracket has slotted holes $4\frac{1}{2}$ " apart so you should be able to align the bracket with the studs whether your studs are on 16" or 24" centers. Center the bracket horizontally, then move it left or right as necessary to line the holes up with the studs in your wall and mark where they are.

Step 8 ñ It is very common for walls in homes to not be truly flat; they can be convex or concave in multiple locations across the mounting area. Find any high or low spots on your wall by holding a bracket horizontally on its bottom edge perpendicular to the wall using it as a straight edge along the pencil mark you made in Step 6. Mark the high spot(s) with a pencil. Then attach the bracket to the wall directly over the two highest spots (or in the middle if there is only one hump protruding outward on your wall). To compensate for this irregular surface, use the included plastic shims [part F] to fill in the low-spots behind the bracket to compensate for that. Use the appropriate shim thickness to keep the bracket flat but firmly secured to the wall. Shims of different thicknesses can be combined if necessary to fill low spots.

Step 9 ñ Finally, finish attaching the bracket to the wall with the supplied wood screws [part E] (for other wall-types, please choose an appropriate fastener). Place the screws (or other fastener) in the center of the slot in the bracket so that you can make minor vertical adjustments if necessary.

Part 3: Mounting the Masquerade™

IMPORTANT NOTE: You will build your Carada Masquerade system directly on your wall and AROUND your installed projection screen. However, for clarity all installation photos in this manual are shown *without* a projection screen in place.

Step 10 - Hang Headrail [part A] on wall bracket. The headrail is the structure with the long white cord and black straps attached to it. Center the Headrail over your projection screen and ensure that it is parallel with the screen. Make sure Headrail is fully seated on the wall bracket before you let go.

Step 11 - Anchor corners of Headrail to wall with drywall anchors, screws, and washers [part I]. Use other appropriate fasteners (not provided) if your wall construction type is not standard drywall over wood studs. The best way to install the anchor screws is to mark the center of the 5/16" holes directly through the structure (AFTER the structure is perfectly centered and parallel over your screen). After both hole locations are marked on your wall, slide the structure to the right about 2" to expose the mark on your wall, and sink the provided drywall anchor into your wall. Then slide the structure about 4" to the LEFT to expose the mark on the other end of the structure, and sink the drywall anchor into your wall. Then re-center the structure over your screen and use the screws and washers provided to anchor the structure to your wall by running the screws into the drywall anchors.

Step 12 - Hang bottom structure [part B] from headrail by unfolding side shafts on bottom structure and hang on 5/16" bolts protruding from each end of Headrail. Assemble 1/2" nuts [part G] onto hanger bolts and tighten with open end wrench (provided).

IMPORTANT NOTE: If you ever need to uninstall the Masquerade, after taking the bottom assembly off the wall, move the side sliders 5" up from the bottom of the side shafts and carefully fold the side shafts down one at a time. Do **NOT** fold the side shafts down *with the side sliders at the hinge point* to avoid damaging the slider and other components of the Masquerade.

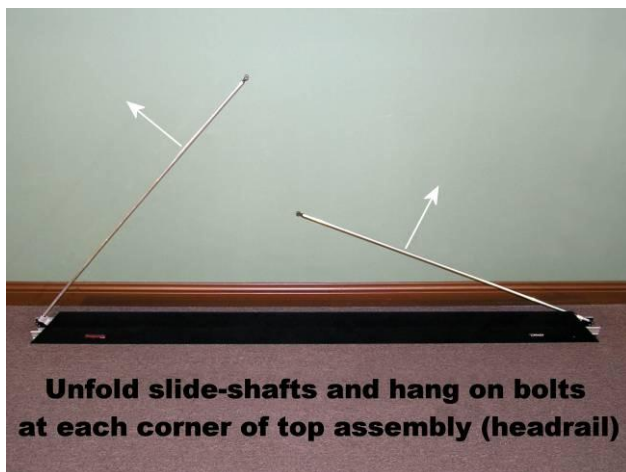


Figure 6

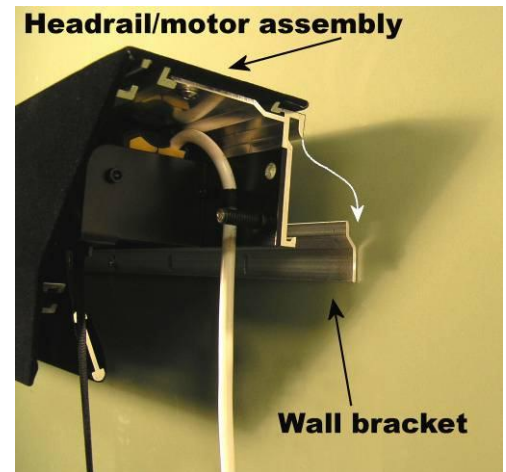


Figure 5

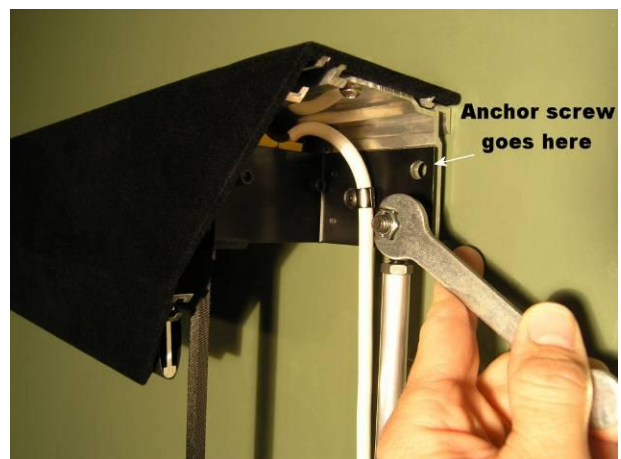


Figure 7

Step 13 - Pull the bottom masking bar up on one end and move the loop of the pull-up strap around the bar and slide it in beyond the screw hole. Repeat at the other end of structure. The strap should be settled on the masking bar with approximately a ½" gap between the strap and the masking material as pictured in Figure 9 below.

IMPORTANT NOTE: Do not attempt to attach bottom masking bar to side sliders with a screw until *after* inserting both bar ends into the pull-up straps. The joint between the masking bar and the side sliders is a tight, accurate joint and the masking bar needs to be level before mating the two parts together.



Figure 8

Step 14 - After putting BOTH ends of the masking bar through each pull-up strap, insert the #10-32 screw through the masking bar and into the side slider and tighten with a #2 Philips head screwdriver.



Figure 9

Part 4: Wiring the Masquerade™

Step 15 - Attach the motor to the control board by gently pulling up the white motor wire plug (attached to the terminal block in the bottom right corner of the system) to the socket (hanging from the top right corner of the Headrail ñ Figure 10) and make that connection. Run the wire inside the side shaft and BEHIND the masking bar.



Figure 10

Step 16 - If you ordered your Masquerade with a power cord, simply plug the cord into your nearest 110-120V/60Hz wall outlet. [If you ordered your Masquerade *without* an installed power cord, refer to Step 16 (alternate) below.]



WARNING:

Make SURE the power is disconnected at the source before working on the Masquerade control board. Failure to follow this instruction could result in serious injury or death by electrocution. For the greatest safety, we recommend you consult a qualified electrician to hardwire your Masquerade.

Step 16 (alternate) - If you ordered your Masquerade without an installed power cord, you will need to attach your power source to the terminal block at this time.

Follow this **Hardwire diagram** (Figure 10a) for locating the household power source from your wall for a direct hardwire connection.

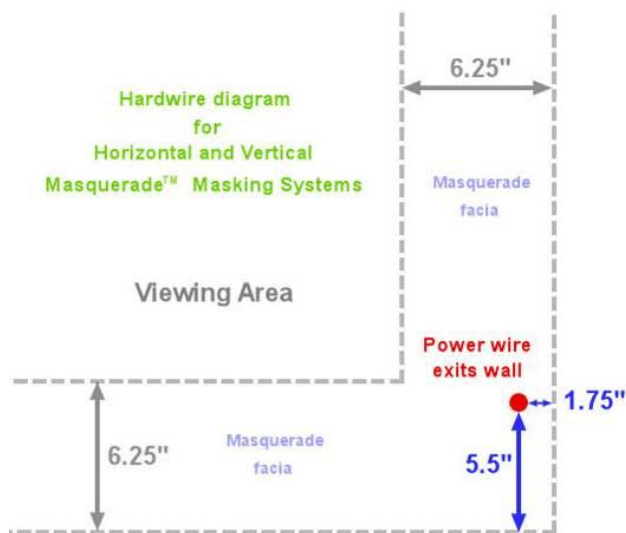


Figure 10a

Part 5: Final assembly, installing the side-fascia



Figure 11

Step 17 ñ Install the RIGHT side fascia (**part C**) by aligning the four pre-installed plastic corner keys into the corresponding channels on the inside of the long fascia members. We recommend you insert the top two corner keys approximately halfway into their channels and then insert the bottom two corner keys. Once all corner keys are started evenly, gently bump the fascia at the top and bottom with the palm of your hand.

Step 18 - Use a carpenter's square to ensure that the frame is square. When the frame is square, the corner should have no noticeable gap in the 45 degree joint.

Step 19 ñ Move to the opposite end of the bottom structure and use a pencil to mark through the center of the anchor hole. Slide the bottom structure to the right just enough to expose the pencil mark, and install a drywall anchor in the wall.

Step 20 ñ Remove the side fascia installed in step 17, re-center the structure (using the drywall anchor installed in step 19 as a reference), and mark through the anchor hole at the bottom left side of the structure. Slide the bottom structure to the left just enough to expose the pencil mark, and install a drywall anchor in the wall.

Step 21 ñ At this point, drywall anchors should be installed at both bottom corners. Anchor the bottom structure to the wall with the provided washers and screws.

Step 22 ñ When both bottom corners are anchored, slide *both* side fascia pieces into place.

Your Masquerade™ masking system is now ready to use

Using your Masquerade™

Install two (2) AA batteries into the remote control (included).

The included infrared remote [part J] has dedicated buttons for the positions of 16:9 (masks fully open ñ Figure 13)) and 2.35:1 (masks deployed to factory-preset position ñ Figure 14).

The “Jog” buttons will allow you to move the masks closer together or farther apart for movies that don’t perfectly fit the 2.35:1 position. When you want to move the masks a small amount, push and release the Jog button quickly for the minimum amount of movement. If you hold a Jog button for an extended period of time, the masks will continue in that direction until the motor reaches the preset limit

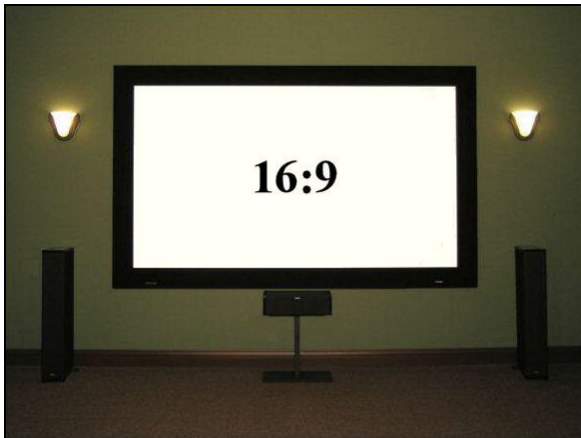


Figure 13



Figure 12



Figure 14

ENJOY YOUR CARADA MASQUERADE!

FOR ASSISTANCE E-MAIL SUPPORT@CARADA.COM OR CALL 866-414-6546

Masquerade™ Masking System

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TECHNICAL SPECIFICATIONS

Power supply	110-120 VAC, 60 Hz (standard) 220-240 VAC, 50 Hz (optional)
Motor power consumption	1 amp draw
Motor noise rating	44db
Control board	Integrated; compact AC motor control module for 115VAC and 230VAC motors UL Listing: E225537 - 20HN
Power cord length	Approximately 7.5 feet (2.286m)
Viewing aspect ratio	1.78:1 masks fully open 2.35:1 masks deployed to factory-preset position 2.70:1 maximum deployment
Input control	Infra-red receiver integrated into the frame Hand-held Infra-red remote control included Two AA batteries included
Standard dimensions	6.25 inches symmetrical perimeter frame width (15.875cm) 3.75 inches frame depth (8.89cm) Overall dimensions vary according to the size of the unit
Installation clearance requirement	3/4 inch (19.1mm) top clearance 2 inch (50.8mm) side clearance
Weight	Variable depending on size