

Introduction to HydroMassage®

Congratulations on your decision to add HydroMassage to your business. HydroMassage has been trusted by doctors and industry leaders for over 20 years to provide clients with a convenient way to deliver the benefits of a 10-15 minute heated massage every day.

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Mission

Our mission is to improve the health and well being of the individual by providing the most effective dry hydrotherapy systems available. Build value for our stakeholders through the strength of our customers' satisfaction, a continued focus on innovation, our dedication to operational excellence and the personal and professional growth of our employees.

Manufacturing

All JTL products are manufactured in the United States, meeting UL / CE / CSA safety standards as well as being registered as a Class I medical device with the FDA. Each component must first pass a rigorous 5,000 hour life expectancy test before being used in production. During production, each product must pass a 268 inspection checklist, receive approval from four different employees and managers, and undergo a 24 hour testing process before being considered ready for shipment. All products come with a two year warranty on all moving components and a three year warranty on major structural elements.

HydroMassage Master Code # 120700

Trademarks

HydroMassage® is a registered trademark of JTL Enterprises, Inc.

Notice of Copyright

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Disclaimer

While every precaution has been taken to ensure the accuracy of the contents of this manual, JTL Enterprises, Inc. assumes no responsibility for errors or omissions. Please note that the information contained herein, including but not limited to models, specifications, options, accessories, supplies, and prices, is subject to change without notice.

Please visit <http://www.hydromassage.com/Customer-Support.htm> for additional marketing, technical support, and installation resources.

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(Complete manual found on-line at www.HydroMassage.com)

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HydroMassage® Limited Warranty

Limited Warranty Period

90 Days	Labor
2 Years	Parts only
3 Years	Tank & Frame only

All parts found to be defective due to workmanship during the Limited Warranty Period will be repaired or replaced at JTL's option.

All labor required during the Limited Warranty Period must be authorized in writing by JTL, and must only be performed by a JTL authorized technician or service contractor. JTL will give written authorization per incident. The authorization is only valid for the related incident and only if the person doing the repair does so per the guidance of our technical department. Any repairs or damage done without the guidance of JTL Technical Department will void the warranty. **At NO time should any repair include cutting and or splicing of wires.** All electrical repairs should be limited to making connections.

JTL's Limited Warranty does not apply if: (I) the product has been repaired by anyone other than a JTL Authorized Service Representative; (II) the product has been physically moved from its original installed location by anyone other than a JTL Authorized Service Representative; (III) the product has been damaged by improper connection or disconnection with any electrical device; (IV) the product has been damaged by an act of God, accident, misuse, abuse, negligence or any other use other than the product's intended use as set forth in the company's specifications; (V) the product has suffered damage from mishandling of the product; (VI) external trauma; or (VII) distilled water was not used. (The warranty does not cover cosmetic damage.)

The sole remedy under this warranty is the repair or replacement of the product provided herein. In no event shall the company be liable or responsible for any incidental, consequential or indirect damages for breach of any express or implied warranty on this product. In any event, if damages are awarded, they will be limited to the cost of the product.

Except to the extent prohibited by an applicable state or federal law, all implied warranties, including those warranties of merchantability and fitness for a particular purpose, are disclaimed. Some states do not allow the exclusion or limitations of incidental, indirect or consequential damages or allow limitation to the length of an implied warranty, in which case the foregoing warranty shall be extended to conform to the minimum requirements of such applicable law.

Specific legal rights: This limited Warranty gives you specific legal rights which may vary from state to state.

Disclaimers

JTL shall not be liable for loss of use of equipment or other incidental or consequential costs associated with the installation of equipment. (Any implied warranty shall have duration equal to the duration of the applicable warranty stated above.) Under no circumstances shall JTL or any of its representatives be held liable for injury to any person or damage to any property, however arising. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

All non-warranty replacement parts are shipped freight prepaid or collect. Credits will be given on defective or unused parts returned to JTL within 20 days of receipt. Returned opened unused parts will carry 20% restocking fee, plus a fee for any parts returned that are damaged.

This limited non-transferable warranty is extended from JTL Enterprises, Inc. (herein JTL) to the original purchaser of Dry-Hydrotherapy Equipment (herein "Equipment"). JTL will administer only the warranty provided by the original component part or equipment manufacturer. This warranty does not cover damage resulting from accidents, alteration, misuse, abuse, tampering, improper or unauthorized maintenance or repairs, use contrary to published instructions, or purchaser's negligence or neglect. Purchaser must place the equipment in an area that conforms to JTL specifications, room preparation, installation instructions, electrical, and environmental requirements.

Remedies and Limitations: The sale and exclusive remedies under this Limited Warranty shall be repair and/or replacement as set forth above except where prohibited by law. JTL shall not be responsible for any damages, whether direct, indirect, consequential, incidental or economic in this limited warranty. Some states may not allow the exclusion or limitation of consequential or incidental damages so the above limitation or exclusion may not apply to you. This thereby limits the duration of all implied warranties of merchantability and fitness for a particular purpose to time listed on warranty sheet. Some states may not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

No Other Warranties Exist: No other warranties, express or implied, exist with respect to the equipment. Oral statements by salespersons do not constitute warranties. Salespersons are not authorized to make warranties with respect to the equipment. This entire agreement is embodied in this writing and no other warranties exist. This writing constitutes the final expression of the parties' agreement and is the complete and final statement of the terms of the agreement.

HydroMassage® Precautions and Contraindications

Please ensure users are aware of the following precautions and contraindications prior to receiving a HydroMassage treatment.

Anyone suffering from one or more of the following conditions, or with a condition upon which heat or massage would have an adverse effect should receive physician approval prior to use:

Heart or circulatory problems; inflammatory conditions such as phlebitis; varicose veins or thrombosis; swollen joints, acute inflammations, severe bruising, skin infections, contagious diseases; a high temperature or have pain radiating to the arms or legs when the back is massaged.

Before beginning the treatment session, position the user in the middle of the Lounge with legs together and the feet resting at the pump/foot end. The head should be resting comfortably on the cervical support pillow with the curve under the neck. The pillow should be removed if treatment will include the cervical (neck and shoulder) area.

After treatment, it is recommended that the user remain lying down for 45 seconds or until comfortable sitting and standing. The increased circulation may cause temporary dizziness. It is advisable to drink water after a session to assist in excreting toxins from the system.

***IMPORTANT: Any person with a specific medical condition upon which heat or massage might have an adverse effect should consult a physician prior to use.**

HydroMassage® Safety Considerations

This product is not suitable for use in the presence of flammable anesthetics.

This unit uses electricity: to reduce the risk of electrical shock and fire keep clear of electrical components. Always unplug the unit before attempting service or inspection.

This unit is intended for household or commercial use only, and has met the requirements for electro-magnet emissions per UL standards. Do not locate equipment that is not agency-approved (such as x-ray or high-frequency equipment) within the vicinity of the unit, as it will cause interference. If this unit causes interference or another piece of equipment interferes with this product use only one unit at a time or move the equipment a safe distance to stop interference.

Always frequently inspect under the Lounge and cooling unit for any signs of water leakage (specifically the areas under the pump, pressure valve and plumbing).

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded.

Do not modify the plug provided with the product – if it will not fit the outlet; have a proper outlet installed by a qualified electrician.

Always disconnect power before draining water. Never connect power unless the unit has the appropriate amount of water in it.

Always lift your equipment by the metal frame. Never lift your equipment by the plastic tank, as it may cause cracking.

Do not store, transport or operate your equipment in freezing conditions without completely draining the tank, pump, radiator or chiller. It is recommended that air be blown through each of these critical parts to ensure that they are totally free of water.

In order to maintain temperature control and user comfort, make sure there is adequate ventilation in the room where the equipment is placed. It is recommended that there be an air conditioner vent or fan located in the room capable of moving 500 cubic feet per minute (500 CFM).

When models 320, 350, 500 & 700 are installed in rooms less than 12' x 12', it is recommended that the External Cooling System be installed in a separate room or vented (See Internal Cooling System Cold Air Supply Duct).

The supply lines allow the External Cooling System to be up to 20' away from the equipment. When choosing a location for the Cooling System that is remote from the machine, ensure the following:

- The temperature remains between 45° -100° degrees Fahrenheit.
- There is at least 2000 cubic feet of air space in the chiller location if the room is sealed, i.e. ceiling or basement. If it is in another room with a door that is open more than 50% of the time the surrounding hallways and rooms can be added...
- If the External Cooling System is to be installed anywhere other than on the ground, check to ensure it is securely mounted.

HydroMassage Lounge® Specifications

Model	Series 440	Series 450
Dimensions	80" (239cm) L, 32" (95cm) W, 43" (69cm) H	80" (239cm) L, 32" (95cm) W, 43" (69cm) H
Weight	285 lbs /130kg without water 460 lbs/ 209kg with water	285 lbs /130kg without water 460 lbs with water
Electrical Requirements	208-230V, single phase, 50 / 60 hertz, 30-amp breaker, 10 gauge / 4mm wire	208-230V, single phase, 50 / 60 hertz, 30-amp breaker, 10 gauge / 4mm wire
Distilled Water Necessary	20 gallons /60 liter - no water hookup needed	20 gallons /60 liter - no water hookup needed
Water Temperature Range	92°/33° to 105°/ 41° C	92°/33° to 105°/ 41° C
Continuous Cooling Unit	Yes with proper ventilation	Yes – External Cooler Unit
External Cooler Dimensions	NA	17"W x 21"L x 14"H / 41cm W x 61cm L x 36cm H
External Cooler Weight	NA	75 lbs / 34kg
Maximum User Weight	400 lbs / 180 kg	400 lbs / 180 kg
Massage Area	66"L x 12" W / 167cm L x 30cm W	66"L x 12" W / 167cm L x 30cm W
Massage Type	Full Body, Deep Tissue & Effleurage	Full Body, Deep Tissue & Effleurage
Massage Zones	30	30
Timer Range	1 to 60 Minutes	1 to 60 Minutes
Programmable	Yes	Yes
Water Release System	Water Through Air Navitra™	Water Through Air Navitra™
Preferred Room Size**	8 x 10	8 x 10
Construction	Steel, ABS Plastic On Castors	Steel, ABS Plastic On castors
Pressure Applied	2 – 38 PSI	2 – 38 PSI
Interactive Touchscreen	440-Yes	450-Yes

Touchscreen Specifications

Manufacturer	ASUS
Monitor Size	15.6"
Display Type	Wide Screen All In One PC Touchscreen
Max Resolution	1024x768 pixels at 75 Hz
Temperature Parameters	Operating: 41°F to 95°F
Weight	7.82 lb (3.1 kg)
Input Requirements	Any object (finger, etc.)

HydroMassage® Installation Preparation Instructions

Room Preparation

Determine where the unit will be located. The minimum room size is 8' x 6'. To maximize user comfort an 8' x 10' or larger is preferred. For best results with the Series 320/350/500/700 Series (with external cooling system), it is recommended that cooling system is installed in a separate area or vented to remove heat from room – see “External Cooling System Heat Exhaust Vent” section.

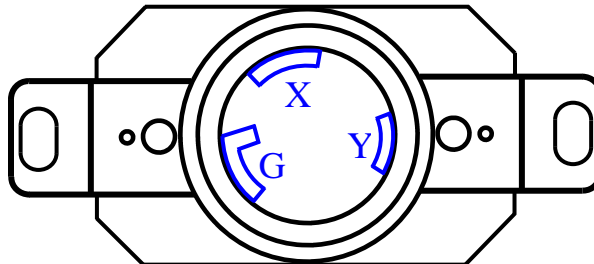
Electrical Requirements

Series 440-450 Lounge

- A dedicated line supplying a voltage within the range of 208-volt to 240-volt power.
- 30-amp dedicated breaker
- Requires 10 gauge wire (2 hot legs and a ground*) USA / 4 mm wire internationally
- **Equipment is shipped with a NEMA L6-30 Locking Receptacle (shown below- 3 prong plug)** / For International installations: please have your electrician install an appropriate plug and receptacle according to code
- Requires a 110 Volt outlet within 5' of the center of the HydroMassage Lounge.
- CAT 5 or Cat 6 Internet / Network connection at least 6' from Lounge

Please be sure your electrical installation is completed before the unit arrives.

NEMA L6-30R
Locking Receptacle
(USA Only)



*If the equipment will be installed in a patient care area, additional electrical requirements may apply.

Water Requirements

Distilled water contains no chlorine and is free of minerals and other chemicals that can cause build-up and decrease the life expectancy of key components. Distilled water is available at most major supermarkets or directly from your water supplier (if you have a water delivery service). Please have water on hand the day of installation.

- **Series 440-450:**
- Add 20 gallons

Specifications

Dimensions: 80" (239cm) long, 32" (95cm) wide, 43" (69cm) high

Weight: 285lbs (130kg) without water. 405lbs (184kg) with 20 gallons (60L) of distilled water.

Requires a doorway larger than 29" to install in room.

HydroMassage® Delivery / Unpacking Instructions

Tools & Supplies Needed

- Small Scissors (to remove wrapping)
- Adjustable Crescent Wrench
- Phillips Screw Driver
- Tin-Snips (for removing bands)
- 25-30 Gallons Distilled Water (see previous page)

Unpacking Shipping Crates

1. Snip packing bands



2. Remove Lid



3. Remove box (sleeve) by lifting up



4. Pull down sides of box at base and sides of Lounge



5. Remove plastic shrink wrap around Lounge Use small scissors (not a knife or razor).



6. Unsnap and remove cover sheet and comfort pad



7. Remove both side panels then both end panels by remove the 4 thumb screws at the foot and head end of the lounge

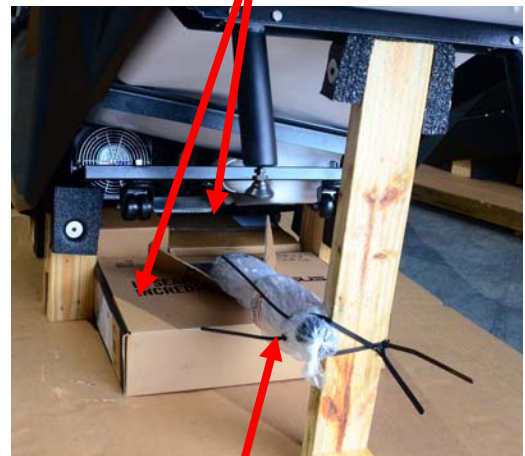


8. Remove 4 BLUE packing bolts used to secure unit Lounge to shipping platform. Remove the Touchscreen Computer and Supply Boxes. Do not carry unit or move by using plywood-shipping platform.

Remove 4 **BLUE** packing bolts, 2 on each side of the Lounge



Remove the Touchscreen Computer And Supply Boxes

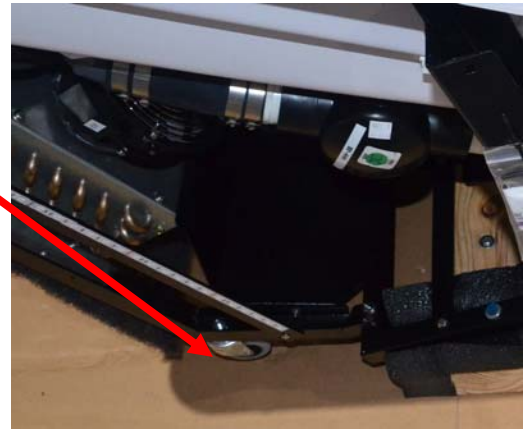


Touchscreen Arm Tie
Wrapped to Frame

9. Remove the 2 shipping screws from the ramp at the head end of the Lounge and place the ramp as shown.



10. Removing the Lounge from the shipping skid. Carefully lift the foot end of the Lounge up by the handle until the Lounge is on the very back 2 rollers as shown below.



Slowly roll the Lounge towards and down the ramp at the head end of the skid until the Lounge has cleared the mounting blocks. You can then lower the Lounge down onto the 4 casters on the bottom of the frame.



HydroMassage® Delivery / Moving Lounge to Desired Location

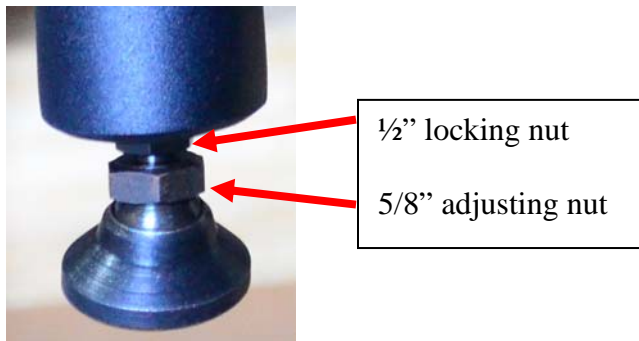
- 1) Move Lounge to desired location.** Always try to make sure the metal control box is facing toward the center of the room for easy access.
 - a) If you must stand the Lounge on end, you must mount the extra casters that are included in the supply box to the frame at the head end of the lounge after removing the mesh filter as shown below. Always lift by the handle at the foot end.



- b) Use cardboard ring from the shipping box to protect the floor, walls and door threshold and to assist in sliding the Lounge if necessary.

2) Once the Lounge is in place.

Lower the front leg feet using a 5/8" wrench until they are both firmly on the floor. Lock in place by tightening the 1/2" nut up until tight against the leg



3) Put side and end panels back on unit.

Use black thumb screws from Parts Supply Box to secure end panels



External Cooling System Crate



External Cooling System



Before beginning installation, the following components should be ready:



External Cooling System (If applicable)



Touch Screen Computer





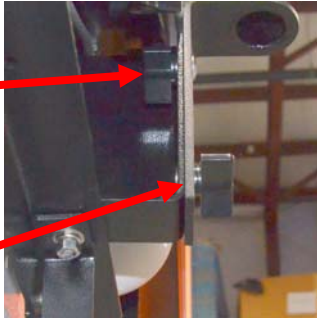


2 Parts Supply Box






Also, the following items should be ready:

- T-Max controller (if applicable)
- Any additional items as specified on the invoice

****THIS IS THE END OF THE DELIVERY / UNPACKING INSTRUCTIONS. INSTALLATION INSTRUCTIONS BEGIN ON NEXT PAGE****

Touchscreen Components Supplied

Part	Picture
Touchscreen Monitor & CPU (front view)	
Touch Screen Mount with wiring (back view)	
Mount the arm through the bracket secure with the top bolt black knob on the inside and the black knob for the bottom bolt on the outside as shown	
Touchscreen Mounting	
Allen Wrench to tighten Touchscreen Pole if necessary. Found in bag attached to frame.	

Part	Picture
Power Cord For Touch Screen (already connected to Touchscreen)	
Mount the Touchscreen by bolting the arm to the bracket as shown	
Touchscreen Mount located on top / right or left side of lounge. (Depending on configuration at the time of the order)	
Touchscreen Pole Adjustment	
Battery Backup	

HydroMassage® Pre-Installation Checklist

- 1) **Verify HydroMassage room is ready for installation**
- 2) **Check to ensure the following are available:**
 - a) Distilled water
 - b) 220V outlet (not applicable for 100 Series)
 - c) 110V outlet
 - d) CAT5 cable (if applicable)
 - e) T-Max wall cut-outs (if applicable)
 - f) Internet connection (if applicable)
 - g) External cooling system mounting structure (if applicable). Check with contractor to ensure structure is able to hold up to 300 pounds and has method of securing system in place during use, as system will vibrate slightly.
- 3) **Check to ensure no shipping damage to all HydroMassage components:**
 - a) Shipping boxes
 - b) Lounge panels
 - c) External cooling unit (if applicable)
 - d) External cooling unit cabinet (if applicable)
- 4) **Position HydroMassage unit(s) in desired location**
 - a) If possible, Lounge should be positioned with electrical box (mounted on frame) facing towards center of the room for ease of access during service
 - b) If external cooling system will be installed on the HydroMassage room floor, ensure there is sufficient space available for cooling unit, and allow for a minimum of 12" of space for both the intake and exhaust vents of the cooling unit. Exhaust should not be directed towards the HydroMassage Lounge.

Skip This Section If Your Lounge Did Not Come With An External Cooling Unit
HydroMassage® External Cooling System Installation
(This section only applies to 450 series)

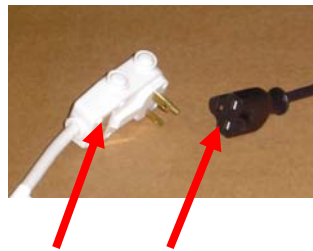
- 1) Do not connect the 220V outlet to the Lounge prior to installing the External Cooling System
- 2) Position the External Cooling System where desired (maximum of 20' from pump end of Lounge). Do not place anything on top of or within 2 feet of either vent.
- 3) Connect the External Cooling System to the Power Cord
 - Run tubing and power cord under frame to ensure side panels can be attached to frame
 - Connect the cooling system electrical cord (A) to the corresponding power cord (B) coming from the Lounge. If the cord is not already connected to the control box, insert the power cord through the right side of control box and connect to the corresponding 10, 11 and 12 (C) on the circuit board as shown below.



Cooling System Power Cord

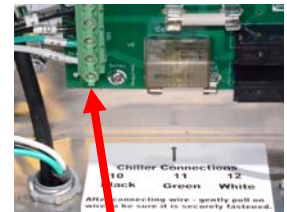


Cooling System



A

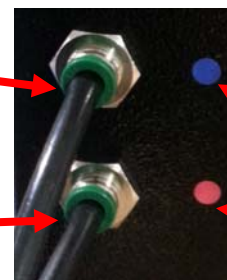
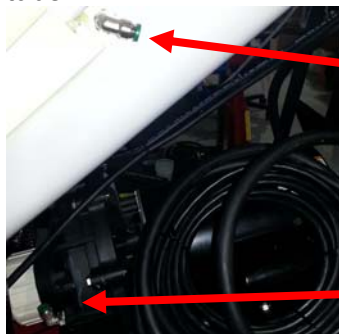
B



C

4) Connect the External Cooling System Water Lines

- The lines in the supply box have red or blue color-coded tape which matches the colored dots at the connections on the cooling system. After inserting the tubes in the cooling unit, connect the RED line to the fitting on the top of the pump, the BLUE line gets connected to the elbow on the foot of the tube.



Connections for color-coded water lines coming from tank, BLUE goes to tub, RED goes foot of the pump

- 5) Neatly coil the excess cooling system tubing, and secure to the inside of the Lounge frame with a reusable tie supplied (do not squeeze tubing). Allow for a minimum of 3' of excess wiring to enable movement of HydroMassage unit during servicing or maintenance

HydroMassage® Touchscreen Installation (This section only applies to L440 series)

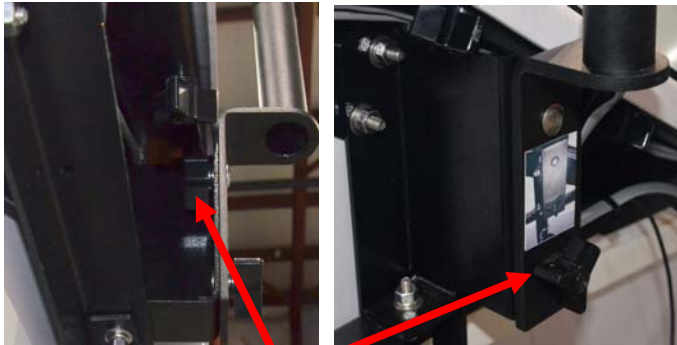
- 1) Remove Touchscreen from the box and unwrap the Touchscreen Pole and open supply boxes



- 2) Identify all component on previous page

- 3) Attachment the Touchscreen mounting pole into Lounge frame

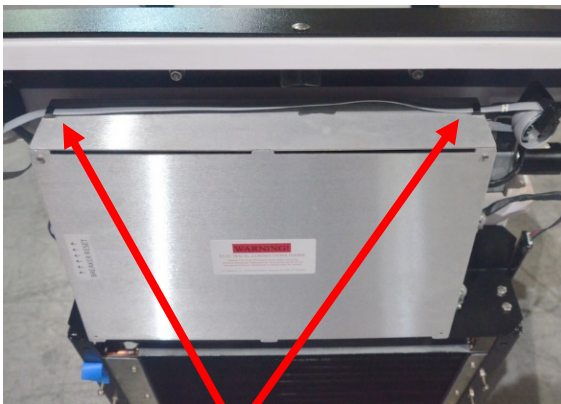
- Touchscreen is typically installed on the side of the Lounge adjacent to a wall.
- Secure using the supplied bolts and black knobs. (top knob on inside, bottom knob on the outside)
-



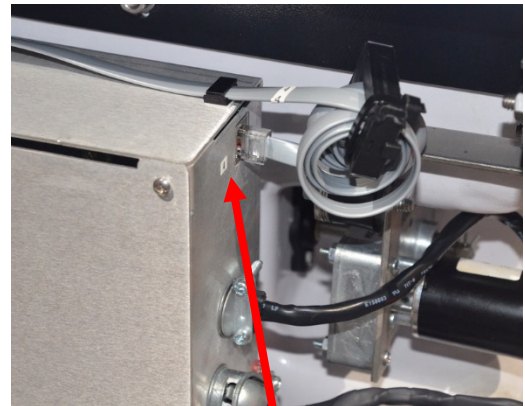
Mounting bolts and
black knobs



Secure wires and communication cable as
shown with supplied tie wraps



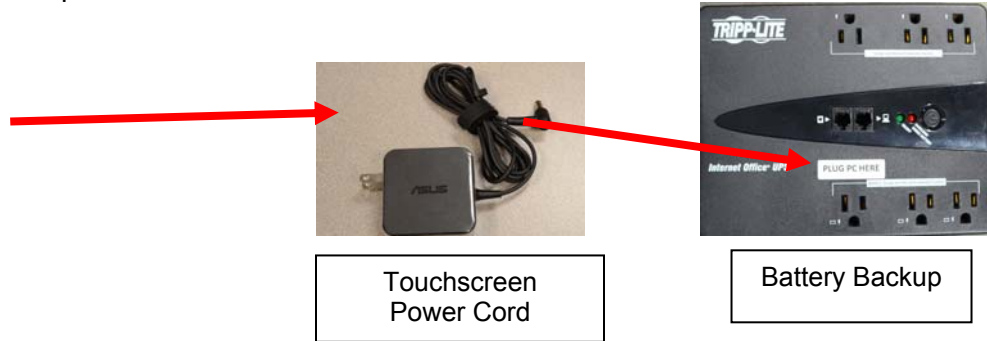
Secure the communication
cable with the clips on top of
the control box



Plug the communication
cable into the #4 port on the
side of the control box

4) Plug the Battery Backup into your 110 volt outlet, Plug Touchscreen Power Cord to Battery Backup.

- The black power cord coming from the Touchscreen needs to be plugged into the battery back-up.
**IMPORTANT: make sure the Touchscreen power cord is plugged into the correctly labeled outlet on the battery backup.



5) Connect Touchscreen Communications Cable #4 to Control Box.



6) Neatly secure Touchscreen wiring to HydroMassage frame.

- Pictures illustrate proper Touchscreen wiring



7) Users may plug headphones into headphone jack on back of Touchscreen



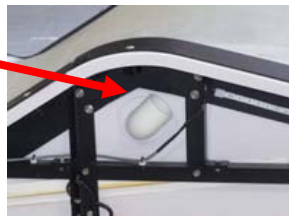
8) If installing T-Max or other remote usage controls, make connections at this point.

- See Page 28 for wiring diagram
- Call HydroMassage technical support at 727-536-5566 with questions.

HydroMassage® Initial Start-up

- 1) **Make sure HydroMassage power cord is NOT plugged into 220V outlet.** If the Touchscreen is not turned on, the Lounge should never be plugged in at the 220V electrical outlet.
- 2) **Underneath Lounge, check to ensure two PVC pump unions are tight.**
 - Prior to adding water, do a quick check of the PVC unions (connections on both sides of the black pump) underneath the Lounge to make sure they did not loosen during shipment. (See Photo in 5) Turn clockwise to tighten **Do not need to turn Lounge on its side.
- 3) **Unscrew small PVC breather tube, and screw the large PVC Water Filler Tube (found in Parts Supply Box) into the foot end of the tank to add water.**

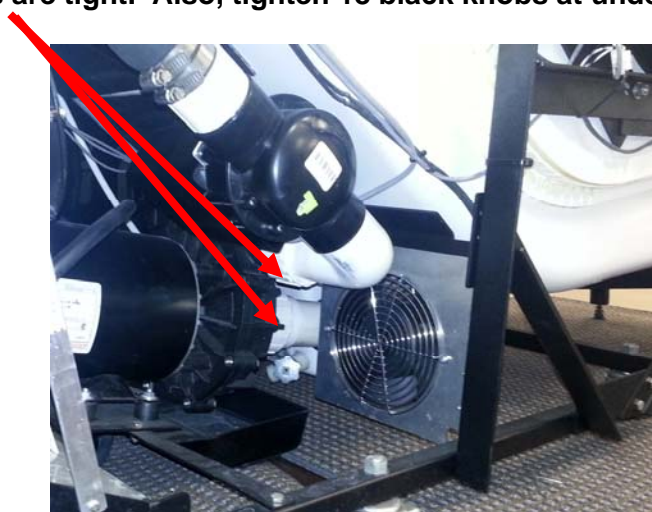
Breather Tube



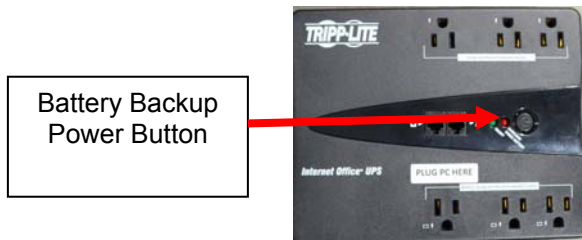
Water Filler Tube



- 4) **Add first 5 gallons of water ONLY (of the total 20 gallons to be added)**
- 5) **With the first 5 gallons of water in the tank, re-inspect PVC fittings underneath Lounge to ensure all fittings are tight. Also, tighten 18 black knobs at under the top edge of tank frame.**



- 6) **Press and hold power button on Battery Backup to turn on power to Touchscreen**



7) Turn on Touchscreen by pressing blue “Power” button on Touchscreen Monitor

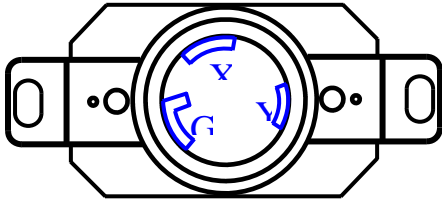
(Models 340L, 350L, 500, and 700 Only)

- ****IMPORTANT:** Do this first before plugging 220V electrical cord into the wall outlet. The HydroMassage software will boot up automatically on the screen. Wait until you see an “Establishing Communication” window on the Touchscreen before plugging in 220V outlet.



8) Plug the 220V power cord into the 220V wall outlet

- Important** DO NOT plug in the 220V power cord for the Lounge until the Touchscreen is powered-up, and the “Establishing Communication” box pops-up on the Touchscreen.



**Wall Outlet with
NEMA L6-30R
Locking Receptacle**

9) Software initialization. You should see a series of tests being completed on the Touchscreen. This will take approx. 1-2 minutes

- If Initialization process does not begin, unplug the power cord, and call HydroMassage technical support at 727-536-5566.
- During and after the initialization phase on the Touchscreen, you will see a “Water Temp Cold Error”, This is normal until the Lounge has run to warm the water



10) After the initialization window disappears from the Touchscreen, add the remaining 15 gallons of water

- Once all water is added, Lounge sure to screw in the cap at the end of the fill spout

Water Filler Spout Cap



11) Press green start button on Touchscreen to turn on HydroMassage for the first time.

- Check under unit for any visible signs of leaks



12) If “Water Temp Cold” Warning Message is displayed on Touchscreen, simply begin a massage session to raise water temperature.

- Set the massage area between **10 (lower limit) and 15 (upper limit)**
- Water will rise approx 1° F for every 2 minutes of running time when setting massage pressure to 10



HydroMassage® Testing

1) Test Touchscreen controls

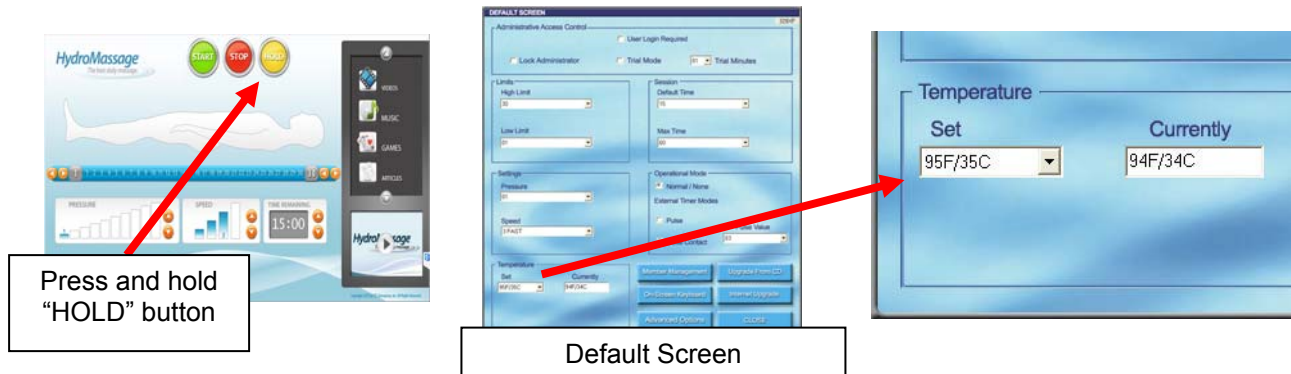
- Confirm HydroMassage working properly by testing the pressure bars, change the massage speed, and launch the entertainment options at least 1X each.



2) Test the cooling system (either external and internal)

(For 440, 450 Models, Admin screen to view temperature settings).

- Start Lounge by pressing green Start button. Keep Lounge running until water temperature exceeds 88 degrees F. *Keep the massage limits between 11 (Lower) and 18 (Upper) if water is colder than 80 degrees F.
- To view the current temperature settings, press and hold the yellow “HOLD” button for 5 seconds, and enter “120700”. The Default Screen will open, and the temperature settings can be found at the lower left-hand corner of the screen.



- With the Lounge still running, once the water temperature has reached 88 degrees F or higher, reduce the Set Temperature to 85 degrees F. The cooling system fans should engage within 45 seconds when there is a 2-3 degree temperature differential. Hold a piece of paper up against the fans to test if they have been activated.
 - The internal cooling system has fans under the panel at the head end of the Lounge
- Call HydroMassage Technical Support at 727-536-5566 if cooling system is not functioning properly.

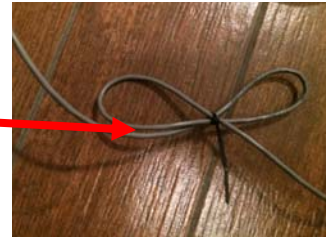
HydroMassage® Final Assembly

1) Position HydroMassage unit in final location (centered on wall)

- For all models, allow for a minimum of 3' of excess electrical and cooling system wiring to enable movement of HydroMassage unit during servicing or maintenance.
- Secure water lines and power cord together. Give water line enough slack to ensure when cord is moved, the water lines do not bend at cooling system connections.



Excess wiring coiled neatly and zip-tied to give slack when moved



- For 440 Series models (with internal cooling systems), ensure 12" of clearance from wall at head end of unit for proper airflow.
- Complete one last visual inspection under the Lounge to confirm no water has dripped on the flooring

2) Re-attach end panels (first) and side panels (second)

3) Install Side and End panels. Fasten side panels securely with end-panel knobs/screws



Screws to attach panels



4) Re-attach comfort pad (first) and top cover sheet (second)

- When attaching the comfort pad, begin with the snap at the head-end, and work your way around the Lounge until entire pad is attached to the panels.
- The nylon cover sheet will attach to the comfort pad with snap connections. There is an opening on the side for the Touchscreen Mount.

Comfort pad snaps



5) Contact HydroMassage Technical Support Department at 727-536-5566 to install HydroMassage Desktop Software and Remote Access Software (if applicable)

HydroMassage® Post Installation

1) HydroMassage Usage

- Ensure all staff / customers are familiar with basic HydroMassage operation and functionality
- The pillow should be positioned at the top of the user's shoulders to reduce noise. The pillow may be removed to massage head and neck. Using headphones (or ear buds) during the massage will also significantly reduce noise.
- For shorter users, the upper / lower massage limits should be adjusted to ensure the massage area does not extend below the feet or above the head.
- During the massage, users may rotate the body to massage different muscle groups on all four sides of the body.

2) Touchscreen Usage

- For videos on the Touchscreen, double-tap the screen to expand the video to full screen. Double-tap again to return the video to normal play mode.
- The music and video screens can be minimized by touching the massage control section of the screen during the massage

3) Setting Usage Defaults

- The Administrator code on the Touchscreen to access the Default Screen is 120700.
- Default settings for 1) Massage time, 2) massage pressure, 3) massage area limits, 4) water temperature, and 5) massage speed may be set here.

4) Cleaning / Maintenance

- Recommended Maintenance Schedule may be found online and on the last page of the manual: <http://www.hydromassage.com/Maintenance-Tips.htm>
- Lounge cover sheet is waterproof and may be cleaned with antibacterial wipes or spray. It is not necessary, but the cover sheet may also be machine washed but do not machine dry.
- Defoamicide and water filler tube are attached to the frame at the foot end of the Lounge.
- Customer should understand how to remove the side and end panels, and be able to identify the key components (pump, electrical box, breakers, pressure valve, drive motor, cooling system, rubber barrier, and drain).

5) Troubleshooting

- If the pressure unexpectedly rises and falls during the massage, add 2 teaspoons of Defoamicide. Recommended Maintenance instructions suggest doing this every 3 months. This is also a good time to clean the machine if maintenance has not been performed in the past 12 months.
- The HydroMassage Lounge should be rebooted at least 1X per week. This often resolves any minor software issues. See the Maintenance Schedule either on-line or on last page of the manual.

6) Electrical Usage

- Average watts of electricity used during a 15-minute session is 3700 watts (3.7KW). At lower pressure levels, the average watts used is approximately 2500 watts (2.5KW) if the cooling system is not in use. At higher pressure levels with the cooling system is engaged, the electricity used is approximately 5000 watts (5KW). In the USA, average electricity cost for a 15-minute session is \$0.06. When not in use, the system uses approximately \$2.00 in electricity per month to maintain temperature.

7) Paperwork

- Customer Acceptance document should be signed and returned to HydroMassage after installation.

This completes installation and set-up of the HydroMassage Lounge

HydroMassage® Touchscreen Overview

The HydroMassage Touchscreen is a feature that was designed to increase the functionality, ease of use, and overall level of enjoyment of a HydroMassage Dry Hydrotherapy system. In addition to allowing the user to adjust the pressure, speed, target areas, and time of massage, the Touchscreen also adds entertainment features including music, games, videos, books, self awareness and internet and more.



Button	Function
Start	Begins the massage session
Stop	Turns off the machine at any time during the massage
Hold	Holds the jets at their current location (the massage will continue at the existing pressure)
Globe	Changes language (Disabled by default)
Low Limit ↔	Press the ↔ button next to the “1” on the 1-30 scale then slide the massage limit to the right to prevent the massage bar from massaging to the left of this limit.
High Limit ↔	Press the ↔ button next to the “30” on the 1-30 scale then slide the massage limit to the left to prevent the massage bar from massaging to the right of this limit.
Pressure	Adjusts the intensity of the massage on a scale from 1-10 (2-38 PSI).
Speed	Controls how quickly the jets travel along the body (4 speeds).
Time	Indicates the time remaining of the massage (May only be adjusted prior to pressing “Start”).
Entertainment	Users may listen to music, play games, watch movies, etc and surf the internet while receiving their massage (must have an internet connection to go to the internet).
Log-On	Allows users to enter their personalized code to begin their massage. This allows tracking of client usage, and restricts massage time to total time purchased.(accessed automatically when setting is set in Administrator area
Run Custom Program	Enable user to select, edit, or create a customized massage and store it for future use (10 presets allowed).
Administrator	Restricted section which gives owner of Lounge access to all machine settings. Accessed by holding the “Stop” button down for 5 seconds then enter Administrator code 120700

HydroMassage® Touchscreen Features

1. **Massage Settings.** The following variables may be adjusted to provide a fully customized massage based on user preferences. The default settings for each variable may be changed in the Administrator Menu.

- a. **Pressure.** The massage intensity ranges from 2-38 PSI on a scale from 1-10. The current pressure will be displayed in two ways: 1) The current pressure level is shown as a number directly below the Pressure heading, and 2) the same number of pressure bars will be highlighted in blue (Ex. If the pressure is set at level 8, then 8 bars will be highlighted in blue). To adjust the Pressure, either press the Up or Down arrows, or simply press one of the ten bars. Pressure Seven shown.



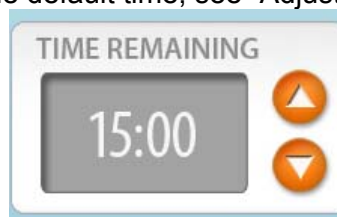
- b. **Speed.** There are four different speeds at which the jets travel up and down the body: Slow, Medium, Fast, and Fastest. The current speed is displayed in two ways: 1) The current speed will be shown as a number directly below the Speed heading, and 2) the same number of speed bars will be highlighted in blue (Ex. If the Speed is set at level 2, then 2 bars will be highlighted in blue). To adjust the Speed, either press the Speed Up or Down arrows, or press one of the four bars directly.



- c. **Limits.** The High and Low Limits allow the user to set their desired massage zone by indicating two points along the body which the massage will stay between. The High Limit is the point that the massage will not travel above on the body, and conversely, the Low Limit is the point that the massage will not travel below on the body. To adjust the Limits, press the ↔ button next to the “1” or “30” on the 1-30 scale then either slide the massage limit to the right or left, or touch the new desired limit, and the button will move to that location. The massage will be performed between the two settings. An example of massaging between 10 -20 is shown.



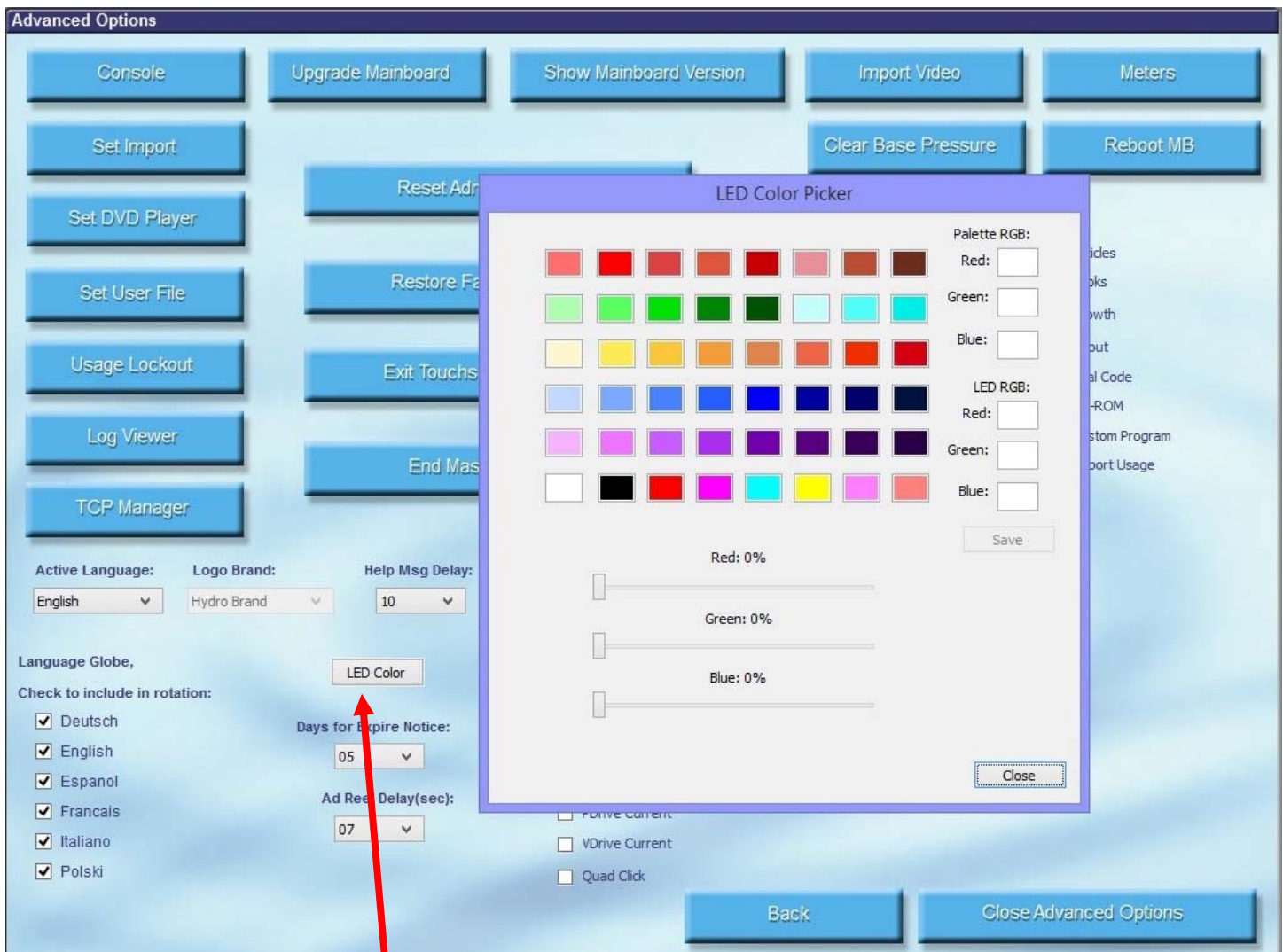
- d. **Time.** The length of the massage may be set for a period of time ranging from 1-60 minutes, in 1 minute increments. The length of the massage may *only* be changed prior to beginning the massage session. Once the massage begins, the clock will display the remaining massage time. To adjust the Time before beginning the massage, press either the Up or Down arrows directly to the right of the clock. To change the default time, see “Adjusting Defaults” under Advanced Features.



- 1) **Administrator Options.** The Administrator Menu is for performing functions that should not be accessed by massage users. To access this menu, press and hold the “HOLD” button on the main screen for 5 seconds then enter the HydroMassage Administrator Code (120700). The Administrator Default windows will open. Once you exit the Administrator Menu, you must re-enter the Admin code to gain access to this menu again.

- a) **Adjusting Defaults.** On the Default Screen, select the new default settings from the High Limit, Low Limit, Pressure, Speed, Temperature, and Time drop-down boxes. This will allow you to set the defaults to meet the needs of the largest percentage of your users to save time while setting up sessions. Click Close to return to the Main Menu. When starting a session, if a user does not alter the pressure, speed, time, or limits, the massage will always begin at the default settings.
- b) **Operational Modes.** Normal/None should always be selected unless an external timer is to be used. When hooking up an external timer, the following two options may be selected. ***For either option, make sure the contact closure is continuity only. See External Timer Connection Section for more details.**
- (1) Pulse. The Lounge will run for the number of pulses it receives from the timer (usually a dollar bill reader multiplied) by the Pulse Value (minutes).
 - (2) Close Contact. The Lounge will run as long as contacts in the external timer are closed. (T-Max 3A timer or other similar device)
- c) **User Log-In checkbox.** When this box is checked, the Lounge may not be operated without first logging in with a password. See User Log-In Menu below. This is only used when session time needs to be controlled.
- d) **Member Management.** This is very valuable tool if you would like to generate recurring revenue from your HydroMassage. You can use the Member Management System to sell packages by, the minute, day, week, or month and limit usage. The information for the members that have access to the HydroMassage is kept in the User Database.

Changing the LED Colors



Open Advanced Options, Click on the LED Color box to open the LED Color Picker

Select desired color and close

Default Blue is

Red 27

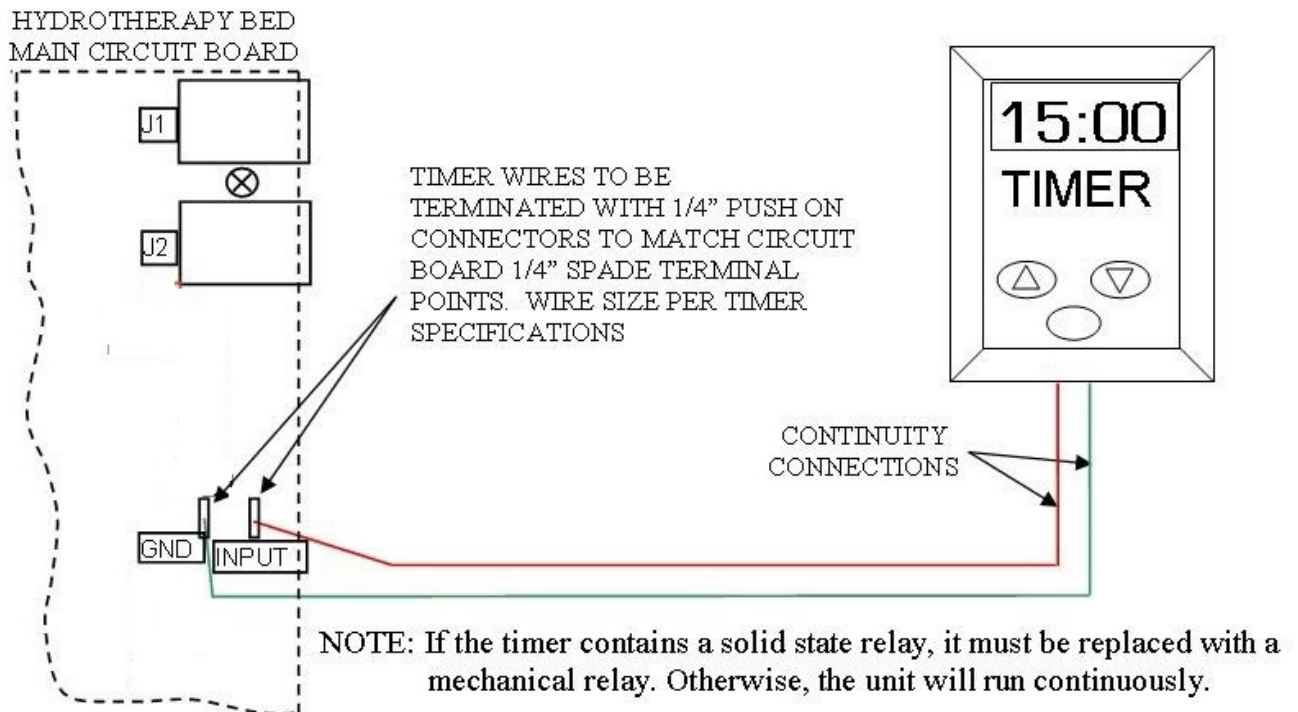
Green 100

Blue 70

Use the slide bar to adjust, then click close

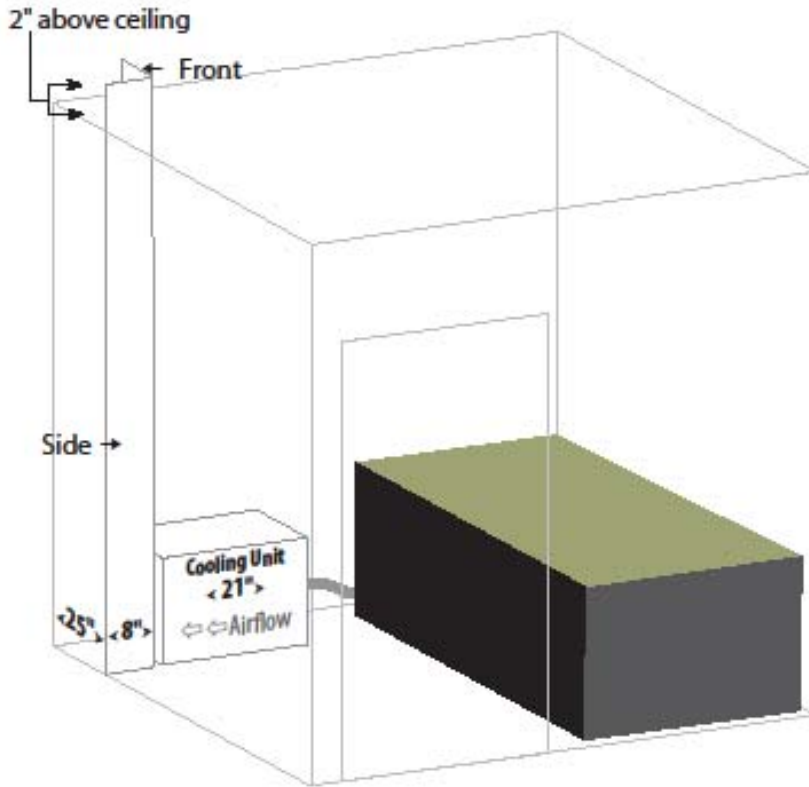
HydroMassage® External Timer Connection Diagram

FIGURE 1 TIMER DOES ***NOT*** SUPPLY VOLTAGE
TIMER IS WIRED FOR ***CONTINUITY*** ONLY



HydroMassage® Chimney / External Cooling System Heat Exhaust(Optional for 320, 350, 450, 500, and 700

Cooling Unit Installation Option: External Cooler Vent

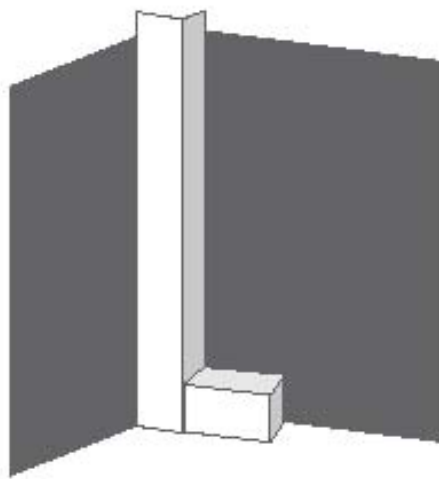


To remove the heat in the room generated from the HydroMassage, we recommend fabricating an external cooler vent for the external cooler.

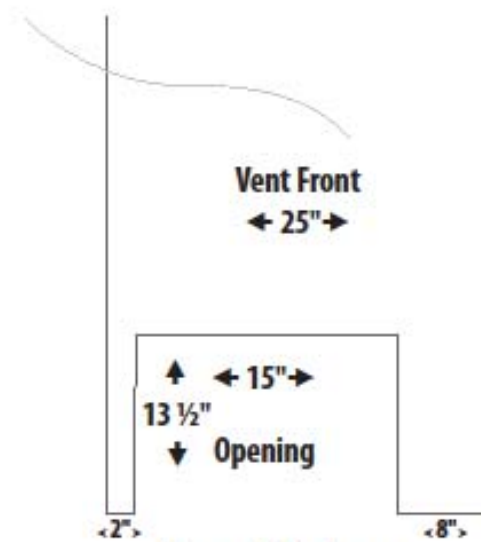
The minimum total cubic feet above the ceiling is 1500 cubic feet (Length x Width x Height).

Cost of construction: \$20-\$60 for materials plus labor

* Check with your contractor to ensure you're using the proper materials to meet your local building code



Alternate View



Close-up of Vent Cut-out

Series)

HydroMassage Maintenance Schedule

Weekly:

1. Reboot the HydroMassage (instructions below).
2. Clean waterproof cover sheet according to your normal cleaning procedures for all other equipment.

Every 3 Months:

1. Add Defoamicide to ensure the water pressure stays consistent and clean. ****ONLY USE HydroMassage Defoamicide.****
2. The Defoamicide will be attached to the frame at the foot of the Lounge. Unscrew the cap on the fill spout and add Defoamicide with Distilled water. (see below for amounts) Replace the Fill Spout Cap.
 - a. Add 2 teaspoons with 2 gallons distilled water if LESS than 30 massages per day usage
 - b. Add 2 teaspoons with 3 gallons distilled water if MORE than 30 massages per day usage.

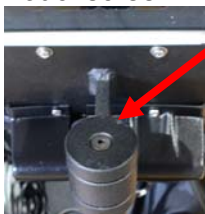
Remove screws and take off end panels



Fill Spout Screw Cap



3. Check Touchscreen pivot screws (2). Tighten with 5/32 hex key wrench if needed to secure Touchscreen in place. Do not over tighten (restricts the motion of the Touchscreen).



Pivot screws

Every 12 Months:

1. Drain and clean Lounge. Replace the distilled water and add 2 teaspoons of Defoamicide. Instructions included both in the manual and on line
2. Add 20 gallons of DISTILLED WATER. Replace the rubber barrier. Call 727-536-5566 for assistance
3. Remove and wash filter for internal cooling system intake (if applicable) every 3-6 months as needed.



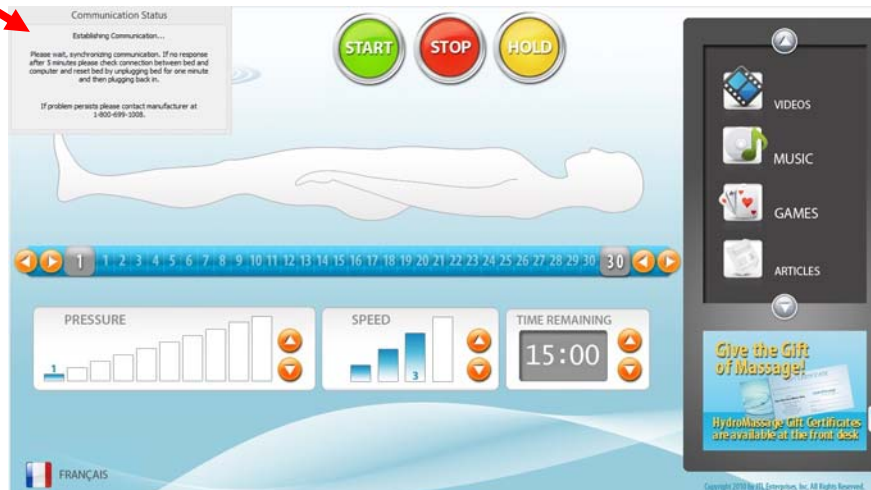


STEPS TO REBOOT HYDROMASSAGE

1. Unplug the HydroMassage 220V electrical cord from wall outlet
2. Shut down / turn off the Touchscreen monitor by pressing the blue power button (Top back right-hand corner of the Touchscreen)



3. Reboot the Touchscreen by pressing the blue power button again, and wait for the HydroMassage software to automatically load on the Touchscreen monitor
4. Once the HydroMassage software loads on the Touchscreen, and only after you see a “Establishing Communication” box pop-up, plug the HydroMassage 220V electrical cord back into the wall outlet.



5. Wait approximately 45 seconds to finish initializing. Call Tech Support with any questions.