

OPERATING MANUAL

SMALL ANIMAL VERTICAL DISPLAY SYSTEMS



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IMPORTANT SAFEGUARDS

WARNING

To guard against injury, basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER

To avoid possible electric shock, special care should be taken in the use of this equipment.

For each of the following situations, do not attempt repairs yourself;
contact an authorized service facility for service.

1.
 - A. If an appliance falls into the water, **DON'T** reach for it! First turn off power at main disconnect and then retrieve it. If electrical components of the appliance get wet, turn off the appliance immediately.
 - B. Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
 - C. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner.
2. Close supervision is necessary when any appliance is used by or near children.
3. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.
4. Always turn off power at main disconnect when not in use, before putting on or taking off parts and before cleaning. Never yank a cord to pull a plug. Grasp the plug and pull to disconnect.
5. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
6. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
7. Make sure appliance is securely installed before operating it.
8. Read and observe all the important notices on the appliance.
9. This appliance should be connected to a grounded, metallic, permanent wiring system, or an equipment-grounding conductor should be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
10. This appliance is to be installed by a qualified electrician in accordance with all appropriate codes and ordinances.

SAVE THESE INSTRUCTIONS

The High Capacity Vertical Display System for Healthier Small Animals, Easier Maintenance, Increased Sales!



This manual will provide you with the information you need to successfully operate and maintain your Small Animal Vertical Display System. Please read it carefully and keep it for future reference.

Your fully integrated Marineland Small Animal System provides easy-to-maintain enclosures with minimal corners for easier cleaning and better hygiene. Enclosures slide out like no other system for cleaning purposes, better viewing of species and alternate capture. Also included are removable dividers that allow you to use an entire tank for larger species or just to make a more spacious enclosure. These enclosures are ventilated with perforated, closing lids and vents for optimal use of Ventilation System that includes Odor Control Cartridges.

The Marineland Small Animal System enhances viewing, improves sales and uses less energy.

Congratulations on your new, “Plug and Play” Marineland Small Animal Merchandiser purchase!

SYSTEM Specifications

Integrated 3 Drawer / Habitat Rack System Small Animal Vertical Display Modular System

MECHANICAL (approximate):

Size: 52"L x 25"W x 76"H

Shipping Weight: 640 lbs (approx.)

Locking System: Mechanical Key
(Key Fob Option)

ELECTRICAL:

Voltage: 120 VAC / 60Hz, 5 AMP

LIGHTING:

Lights: T8-32 watt Florescent

AIR CIRCULATION:

Blower: 150 CFM

Filter: 60 Square Inches

BUYER SUPPLIED CONNECTIONS:

Cord Connection: 120 VAC, 60 Hz, 15 AMP

APPROVALS:

Electrical Safety: ETL Listed

Seismic: California Seismic Code

MATERIALS OF CONSTRUCTION:

Frame: Powder Coated Steel

Drawer Glides: 150 lbs

Glass: 3/16" Tempered

Doors: Extruded Aluminum

Side Panels: Impact Resistant ABS



Installation Instructions

For system technical support call the

MaRS Technical Support Division: (800) 576-6277

Your Small Animal system comes complete with these installation items:

- “Red Head” cement anchors with required nuts and washers
- Seismic braces and bolts
- Grade 5 “through” Bolts
- Extra leveling legs
- Roll of 1-inch, 2-sided mounting tape

In addition to those provided, you will need these items:

- Heavy-duty hammer drill with a 3/8-inch bit and drill gauge
- Tape measure
- ½-inch and a 9/16-inch open-end wrench
- Ratchet with a 9/16-inch socket
- Hammer
- Channel lock pliers
- Two levels: One large, one small

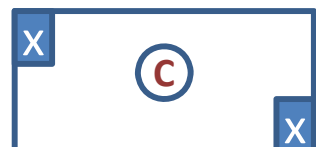
Note: A specially designed dolly is available for rent from Marineland for easier movement of the MaRS units.

Step 1: Position Small Animal System

Assistance of at least one other person is recommended to roll the Small Animal unit into the installation area.

Carefully place the Small Animal unit in an upright position. Make sure the unit is straight and in the correct place. Place the seismic brace and determine the proper drilling sites for the seismic brace anchor bolt holes. Make sure the hole on the unit is in the middle (see picture A) Use a black permanent marker to dot the area where you will drill into the floor (see picture B).

The Small Animal System will be anchored in 2-Corners (see drawing C).



FRONT OF REPTILE UNIT

Installation Instructions cont.

Step 2: Score and Drill

Remove the Small Animal system away from the marked area and use the drill to score the necessary holes. Drill the holes 3-inches deep at both corners.

NOTE: Take extra care to make sure the holes are drilled vertically.



Step 3: Install Anchor Bolts

Position each bolt in a drilled hole and hammer securely into place. Each anchor bolt should extend about 1 ½ - inches up from floor level.



Step 4: Position Small Animal System

With the assistance of at least one other person, roll the small animal unit back into the installation area. Carefully tilt the Small Animal System to clear the anchor bolts and place the unit in an upright position.

NOTE: To ensure easier installation, remove front bottom (Kick) Panel. **Do not install provided end panels until the unit has been installed.**

Step 5: Level Assembled Rack

Check horizontal and vertical levels. Adjust Leveling Legs as necessary.



Step 6: Install Seismic Braces

Fit Seismic Braces to the cement Anchor Bolts. Attach Braces using washers and nuts provided.



Installation Instructions cont.

Step 7: Secure Assembled Rack

Insert front Through Bolts into the frame and Seismic Brackets (A). Secure all connections (B).



Before you begin Step 8 & 9, make sure you line up the End Panels and Vertical Extrusions correctly.

Step 8: Install System Side Panels

Strips of double-sided tape are included on the narrow surfaces of the end framework. Peel the tape (C) and press panels firmly into place (D). **Note:** Do not peel the front tape where the Vertical extrusion goes.



Step 9: Install System Vertical Extrusions

Peel the remaining double-sided tape included on the narrow surfaces of the end, front framework (E). Press Aluminum Vertical Extrusion firmly into place (F).



Step 10: Plug in Small Animal System

Have the Ventilation, Lighting and Door Locking System connections plugged into the appropriate receptacle.

Make sure that there are 3 electrical outlets available to plug the Ventilation, Lighting and Door Locking System.



(Left to Right) Ventilation, Lighting and Door Locking System connections

For system technical support call the
MaRS Technical Support Division: (800) 576-6277

OPERATION (SLIDE OUT DRAWERS)

Slide Out Drawer.

The Drawers on the Marineland Small Animal Vertical Display conveniently **Slide Out** for purposes such as cleaning and capture of small animals. The Drawers stabilizing feature include superior glides that improve strength and results in a smoother slide out of drawers.

To unlock a drawer, simply use the **key** (see **picture 1**), then pull open desired level. Or use the ***Key Fob** (see **picture 2**), then pull open desired level.

These actions allow you to open one tier at a time by holding the drawer in the middle (see **picture 3**) and gently pulling forward towards you.

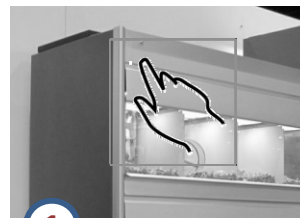
Note: Open the drawers gently and smooth so you do not disturb the small animals within the enclosures.

*If your purchase included a Key Fob (sold as an option), pressing the Key Fob for a second or two will allow you around 8 seconds to open one drawer.

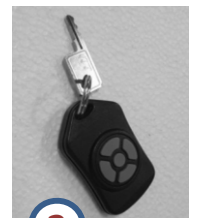
When ready to close the drawer, gently push the drawer away from you, smoothly and until you hear it lock.

Caution: Make sure that people are not near the drawer when closing to **prevent injury**. **To guard against injury, basic safety precautions should be observed.** Misuse of drawers may also cause damage to the Small Animal Vertical Display.

If needed and in case of an electrical issue where the Key Fob or Key will not open the drawers. A manual override is available on the system. The drawer manual override is located above the unit. Use an appropriate latter to reach the top (see **picture 4**). Each drawer is labeled, you must close the drawer in order to open another.



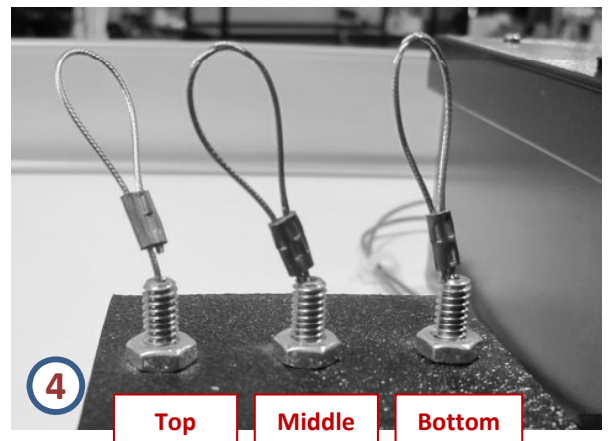
1



2



3



4

Top

Middle

Bottom

OPERATION (SLIDE OUT DRAWERS) cont.

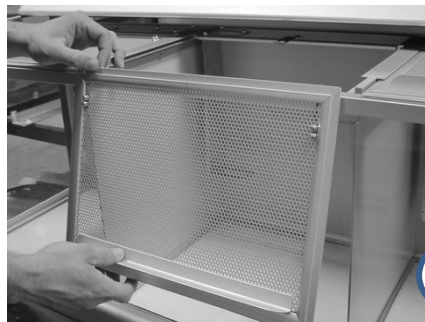
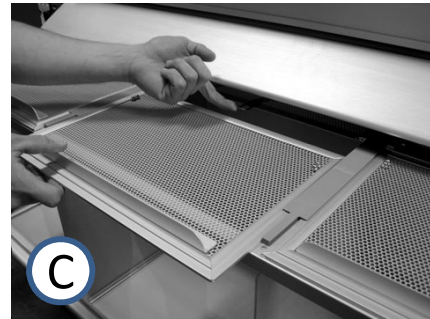
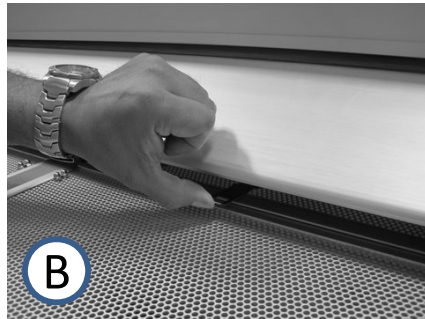
Sliding Lid Enclosures

Vending made Easy.

1. Open Slide Out Drawer using the steps on page 7 (**picture A**).
2. Manually release the “Clip” to allow the front half of the lid to slide open (**picture B**).
3. Slide the front portion of the enclosure toward you to open for vending or cleaning purposes, (**picture C**).

Note: The back portion of the slide out Lid is stationary to deter escape.

4. As you slide the lid toward you, use the 2 hooks on the bottom side of the lid to allow the lid to hang on the front of the tank, (**picture D**).
5. When done vending animals, remember to replace the “hanging” lid *before sliding in drawer*. Slide the lid in until the “clip” engages, (**picture E**).
6. Close Slide Out Drawer using the steps on page 7 (**picture F**).



OPERATION (SLIDE OUT DRAWERS) cont.

Removable Enclosures.

The enclosures are available with removable dividers to accommodate your merchandising needs.

Each Enclosure on the Small Animal Display System slide out and are removable for cleaning purposes.

After sliding out a drawer you can pick up the enclosure above the door I.D. Tag/Handle.



Gently pull the enclosure towards you and slide it until you can grab the enclosure securely with two hands for better support (see picture). Use assistance to remove or replace enclosure. When cleaning, the enclosures have minimal corners for easier maintenance and better hygiene. The enclosures are also vented on top and on the back for superior ventilation.

Remember to use the recommended substrate for the Small Animal within the enclosure. Add the appropriate amount per the tank dimensions. Most substrates have an amount recommendation on the product.

Note: It's recommended that enclosures containing a large amount of substrate, be cleaned within the small animal unit. If you decide to remove and carry the enclosure away from the Small Animal unit. Handle the enclosure securely to avoid an accident or damage. If available, use a service cart to move enclosures for cleaning purposes or feeding of species (see picture).



Service carts will help moving enclosures (example).

Enclosure Maintenance

After removing substrate, bowls and other décor within the enclosure, use a damp cloth to remove dirt and dust (a mild soap can be used if necessary). If needed a non toxic glass cleaner can be used for the front glass of the enclosure.

*By removing all enclosures from a drawer, a damp cloth can also be used to remove dirt and dust from within the drawer (use a mild soap if necessary, do not use abrasive pads or harsh chemicals to clean). **DO NOT USE DAMP CLOTH ON ELECTRICAL COMPONENTS.**

ODOR CONTROL CARTRIDGE REPLACEMENT

Ventilation System with Odor Control Cartridges

Each Small Animal Unit unit is equipped with a ventilation system that helps control odor. The well vented enclosures ensure superior ventilation within the Small Animal System.

Odor Control Cartridge Replacement Procedures

The cartridge should be replaced when 30 days are up. DO NOT exceed 30 days to replace the cartridge within the Ventilation System. Failure to replace the cartridge as recommended may result in unpleasant odor, temperature and ventilation issues.

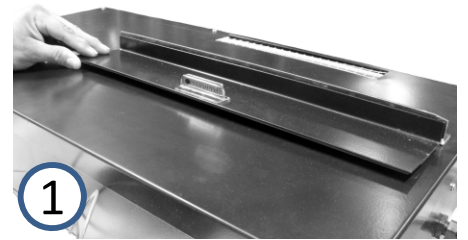
Step by step instructions:

- 1. Use an appropriate ladder to reach the Ventilation System above Small Animal Display System.*
- 2. Open access cover and “pull up” cartridge to remove (1, 2).*
- 3. Insert new Odor Control Cartridge and close access cover (3,4 and 5).*

To order Odor Control Cartridges, please call Marineland at 800-576-6277.

*Odor control cartridges (Ventilation Filter Cartridge)
Part# MZ0412

Note: The Ventilation unit within and around the cartridge compartment should be cleaned every 6 months. Simply use a damp cloth to remove dirt and dust. (Do not use soap or cleaning chemicals).



Helpful tip: Make sure that ventilation screens within the enclosures are not blocked off for proper Ventilation System operation.

FLUORESCENT LAMP REPLACEMENT

Fluorescent Lamp Replacement

To ensure maximum illumination and color reflection, we recommend that you replace with the same lamp type for proper operation. To replace them with “Cool White” or other lamps of lesser quality will greatly lessen lighting intensity and overall effect. The fluorescent lamp provides a pure white Full Spectrum illumination.

1. To replace the fluorescent lamp, simply shut off the light power.
NEVER change lamps on fixture while it's on.
2. Open Drawer and carefully remove enclosure (tank) within. This procedure makes it easier to replace lamps.
3. Remove fluorescent lamp. Gently twist 90 degrees and push backward and out from mounted station slots. Discard (according to established environmental procedure).
4. Replace discarded lamps with new lamps. Gently insert ends into slots and push up and forward or up and back until lamp fits securely in place.
5. After replacing the lamp, turn on the light power to the Small Animal System. Make sure the new lamp works before replacing the enclosure (tank).

To order Fluorescent lamps, please call Marineland at 800-576-6277.

Helpful tip: By simply shutting off the light power and removing enclosures . You are able to easily replace the old lamp on the Reptile Display System.



Water Bottle Replacement

Water Bottle Replacement

To remove water bottle from Holder, simply remove one side of the spring holder and replace water bottle with clean, freshwater.

Water bottle is not included on the Small Animal System. The Water Bottle Holder is made to hold a variety of water bottles.



Removable Divider Procedures

Removable Divider Procedures

To remove the divider, gently pull the divider up with both hands holding it on both sides. Then gently push the divider to one side to remove off the rail. Take to divider out of enclosure. *Reverse the procedure to replace.*



TROUBLESHOOTING GUIDELINES

For system technical support or to schedule a service, call the

MaRS Technical Support Division: **(800) 576-6277**

Drawer will not open?

Make sure all drawers were closed properly. Gently push in the drawers away from you and try opening the drawer using the key fob or key. If you continue to have issues contact Marineland Technical Support.

Need to open drawers during power outage?

If needed and in case of an electrical issue where the Key Fob or Key will not open the drawers. A manual override is available on the system (see page 7). This procedure will disengage the drawers allowing you to open one drawer at a time.

Slide-out Drawers are not sliding smoothly?

By removing all enclosures from a drawer, you can inspect the slide-out drawer for proper operation. If needed use a smooth brush to clean slide brackets. Also use a small portable vacuum to removed dust and debris.

Fluorescent Lamp not coming on?

To replace the fluorescent lamp shut off the light power by unplugging the unit. NEVER change lamps on fixture while it's on. Open Drawer and carefully remove enclosures within. This procedure makes it easier to replace lamps. *Please see page 11 for additional information.*

For ballast issues please contact Marineland Technical Support.

Noticeable unpleasant odor within Small Animal System?

Make sure enclosures are kept clean to ensure a healthy environment for the animal. A maintenance schedule is recommended.

If the Odor Control Cartridge needs replacement: The cartridge should be replaced when 30 days are up. DO NOT exceed 30 days to replace the cartridge within the Ventilation System. Failure to replace the cartridge as recommended may result in unpleasant odor, temperature and ventilation issues. *Please see page 10 for additional information.*



LIMITED WARRANTY

Marineland warrants their Reptile Display systems for one year against defects in materials or workmanship. This warranty applies only to the system and does not cover water quality, live product, replacement parts or maintenance supplies.

If your system is found to be defective - and has not been modified, damaged or misused – call Marineland Commercial Aquariums (toll free) at (800) 576-6277 or fax us at (805) 517-7198. All calls received during regular business hours (8am - 5pm, Pacific Time) will be responded to within 24 hours. Please have your manual and the system serial number ready.

In most cases, the problem will be resolved by a simple maintenance procedure, recommendation or repair authorization. Upon authorization, and in instances where outside repair or replacement of parts is necessary, Marineland will absorb all appropriate costs.

Damage or injuries resulting from negligence, misuse or user modification are not covered by this warranty. Incidental or consequential damages are specifically excluded.

** This warranty gives you specific legal rights. You may also have other rights which vary from state to state.*

** Because some states do not allow the exclusion of incidental or consequential damages, this exclusion may not apply to you.*

CUSTOMER SERVICE

For emergency problems with this system, call the
MaRS Customer Service, Technical Support
at 800-576-6277

For non-emergency problems or questions please call the above
number from 7a.m. – 5p.m. Monday – Friday.

CONSUMABLES ITEMS

1- VENTILATION FILTER CARTRIDGE(6 PACK)	MZ0412
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SERVICING ITEMS

ADDITIONAL ITEMS

Z090618 6/11



All Fluorescent Lamps and Ultra Violet
Lamps contain mercury.

Dispose of Properly.



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