



*The TV Shield: Sizes 19-29" and 30-32"*

# Owner's Manual

*Frequently Asked Questions*

*Assembly Instructions*

*Warranty Information*

**Manufacturer: Protective Enclosures Company**

385 CenterPointe Circle, Suite 1319,

Altamonte Springs, Florida. 32701

1-800-331-2628

info@protectiveenclosures.com

[www.thetvshield.com](http://www.thetvshield.com)

*Save this assembly manual for future reference in the event that you need to order replacement parts.*



# FREQUENTLY ASKED QUESTIONS

## WHAT KIND OF MATERIALS ARE THE TV SHIELDS MADE OUT OF?

We researched and tested scores of materials (metals, coated wood/synthetic wood products, fiberglass, and many plastics) until we found the perfect solution. The TV Shield® outdoor weatherproof and water-resistant TV enclosure is crafted from premium, flexible materials because of their strong, water-resistant, scratch-resistant, and UV-resistant properties. The housing of The TV Shield® is made from HMWPE or High Molecular Weight Polyethylene. The front panel is made from industry leading ultra-clear Lexan® polycarbonate.

## HOW ARE YOUR TV COVERS MADE?

The TV Shield® outdoor LCD TV enclosure (outdoor Plasma TV cover) is handcrafted in the U.S.A. in award winning manufacturing and assembly facilities. All materials are water and UV-resistant so they will protect your TV from the elements.

## IS THERE A BEST PRACTICE FOR PLACEMENT OF THE TV SHIELD?

Yes, please see ["BEST OUTDOOR PRACTICES"](#) after Step 12 of these instructions.

## HOW DO I CLEAN MY TV COVER?

Your outdoor TV cover will look its best when kept clean. The back housing can be cleaned with a mild soap and water. However, the front panel is a special material, which will look best if you use one of our APPROVED CLEANING PRODUCTS listed in your owner's manual in the ["CLEANING INSTRUCTIONS"](#) section.

## WILL THE OUTDOOR TV COVER WORK WITH DIFFERENT KINDS OF WALL MOUNTS?

Yes, The TV Shield® is engineered to be "universal," and is able to be used with all "standard" VESA mounting systems. You can follow the provided instructions in order to drill the back of the unit to fit your mount and configuration. This not only lets our patented The TV Shield® be "universal," but also allows for the minimum number of holes or moisture entry points.

## DO I NEED TO MEASURE MY TV?

Yes, measuring is VERY important, especially if you plan to use a larger TV than our advertised primary sizes. Measure the dimensions of your TV and compare with the inside dimensions of the enclosure to make sure it fits before you drill it. The TV Shield® is manufactured to fit:

### **DIMENSIONS 19-29" -**

FITS MOST 19" TO 29" TVS

MAX INTERIOR DIMENSIONS: 27.75"W X 19.75"H X 4.75"D

EXTERIOR DIMENSIONS: 32.25"W X 23.75"H X 6.25"D

WEIGHT: 19 LBS

### **DIMENSIONS 30-32" -**

FITS MOST 30" TO 32" TVS

MAX INTERIOR DIMENSIONS: 29.5"W X 18"H X 3.80"D

EXTERIOR DIMENSIONS: 34.25"W X 21.9"H X 4.75"D

WEIGHT: 24 LBS

## **Helpful Tips:**

Please be aware that due to the size and weight of the front panel, there will be some bowing when it is open. This is okay and will not damage the unit. There may also be some bend in the back housing and this is also acceptable.

Please be advised that the seal around the back housing will settle over time and you may need to apply force to close and lock the unit for 2 to 4 weeks (depending on the climate). After mounting the enclosure, it may be necessary when opening and closing the unit to continue to align the threaded screws into the front panel until the unit completely settles. This "alignment" system is integral to the structural rigidity and water-tight sealing of The TV Shield®.

If the back of The TV Shield® is drilled incorrectly, it is essential that the incorrect hole(s) be repaired. As a courtesy to our customers, Protective Enclosures Company will provide rubber plugs to seal the holes. Please call our customer service department at 1-800-331-2628.

Use only the approved cleaning products (sold on our website) to clean the enclosure. Regular household products may cause streaking and reduction in optical clarity.

When opening the front panel, the black threaded caps can be stored in the small black drawstring bag that is provided with the enclosure.

## **INSTALLATION INSTRUCTION TIPS - PLEASE READ**

Thank you for purchasing The TV Shield®. Please read the following before starting the installation process.

The TV Shield® is designed to be used in conjunction with a TV wall mount, ceiling mount or any other mount using a VESA standardized mounting pattern (sold separately). Upon successful installation, The TV Shield® should be “sandwiched” between the back of the TV and the mount.

You will need to unscrew the 6 black threaded caps from the front panel to open The TV Shield®.

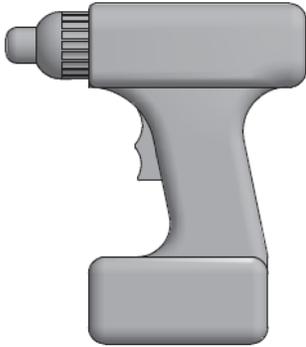
### **BEST OUTDOOR MOUNTING PRACTICES**

If you are mounting your unit in an outdoor environment, we have come up with some best practices to reduce the glare and to give you the best viewing of your TV or monitor.

- Purchasing an enclosure with anti-glare or installing our anti-glare front panel will reduce the glare to an extent, but does not eliminate it.
- Mount The TV Shield® in an area that does not get direct sun if possible.
- If mounting in direct sun or in an area that gets a lot of sun, it is best if you have some type of backdrop in front of The TV Shield®. E.g. if you can mount the enclosure where there is a wall in front of it, trees, bushes or any other darker objects, it will help with reflection.
- Use a tilting and swiveling mount as you may be able to angle the enclosure in different directions to reduce the amount of glare or reflection while watching.
- Depending on your TV's options, change the picture mode (in the settings menu) to dynamic and/or adjust the contrast, brightness, sharpness and color.

## **TOOLS REQUIRED FOR INSTALLATION**

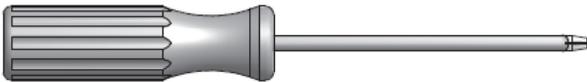
*These are the tools that are generally required for assembly of our products. These tools are not included with the product purchase, nor included in the box. You will need to use the hardware from a separately sold TV wall or ceiling mount.*



***Cordless Drill or Electric Drill***



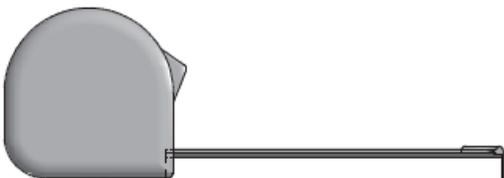
***5/32" or 4 mm, 3/16" or 5 mm, 1/4" or 6 mm, & 5/16" or 8 mm Drill Bit***



***Phillips Screw Driver***



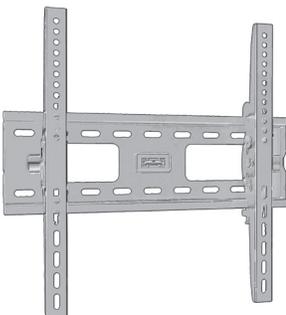
***Flashlight***



***Tape Measure***



***Utility Knife***



***Separately Sold Mount (You Will Need Hardware from Separately Sold Mount During Installation)***



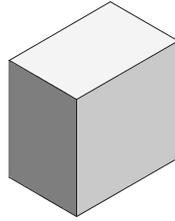
***An Adult w/ an Adult Helper***

# PARTS IDENTIFICATION

*Included in Box*



**(1) The TV Shield®**



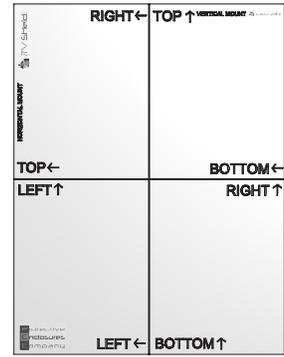
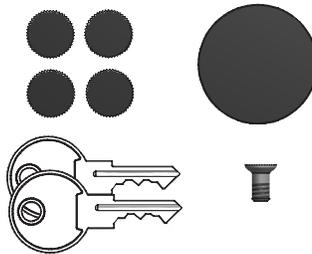
**(4) Foam Blocks for Mounting**



**(2) Prop Arms**



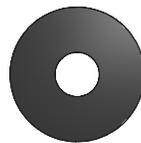
**(1) Small black drawstring bag (Keep for caps when removed) with:  
(4) Extra Knurled Caps, (4) Keys, (1) 1<sup>1/4</sup>" Round Black Handle and (1) 1/2" Screw (used to install handle)**



**(1) Mounting Hole Template**



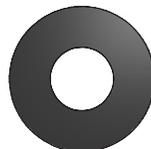
**(4) - M4 - 0.18 X 0.5" METAL-BONDED WASHER - TH10020**



**(4) - M6 - #12 x 3/4" METAL-BONDED WASHER - TH10014**

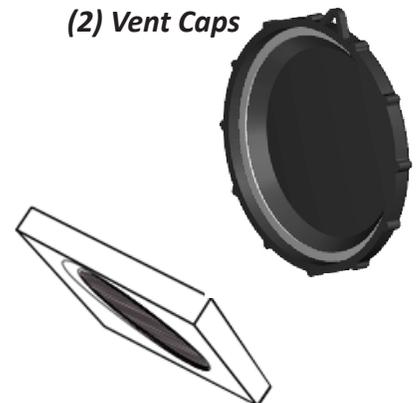


**(4) - M5 - #10 x 5/8" METAL-BONDED WASHER - TH10013**



**(4) - M8 - 5/16" x 3/4" METAL-BONDED WASHER - TH10015**

**(2) Vent Caps**



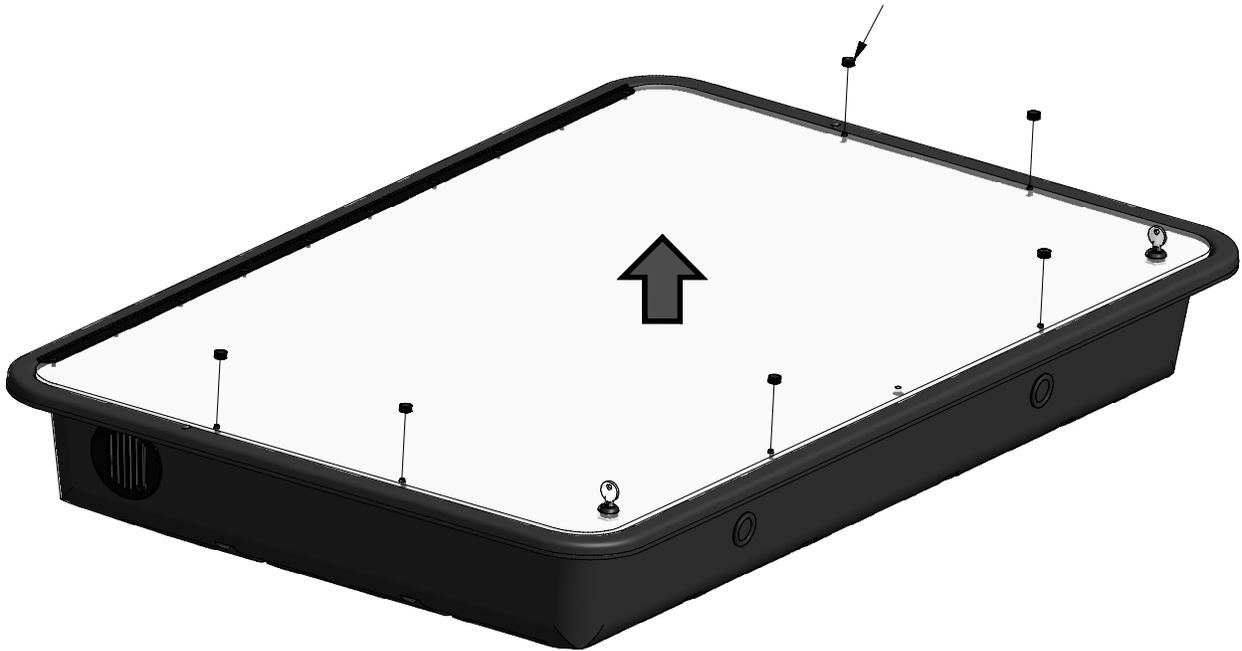
**Fan Filter and Cover  
(Only included if the unit was purchased with a fan)**

# STEP 1

**\*\*Read all of the assembly tips for each step thoroughly. The written tips may include important information that is not shown in the illustrations.**

1. Remove the knurled caps as shown in the image below.

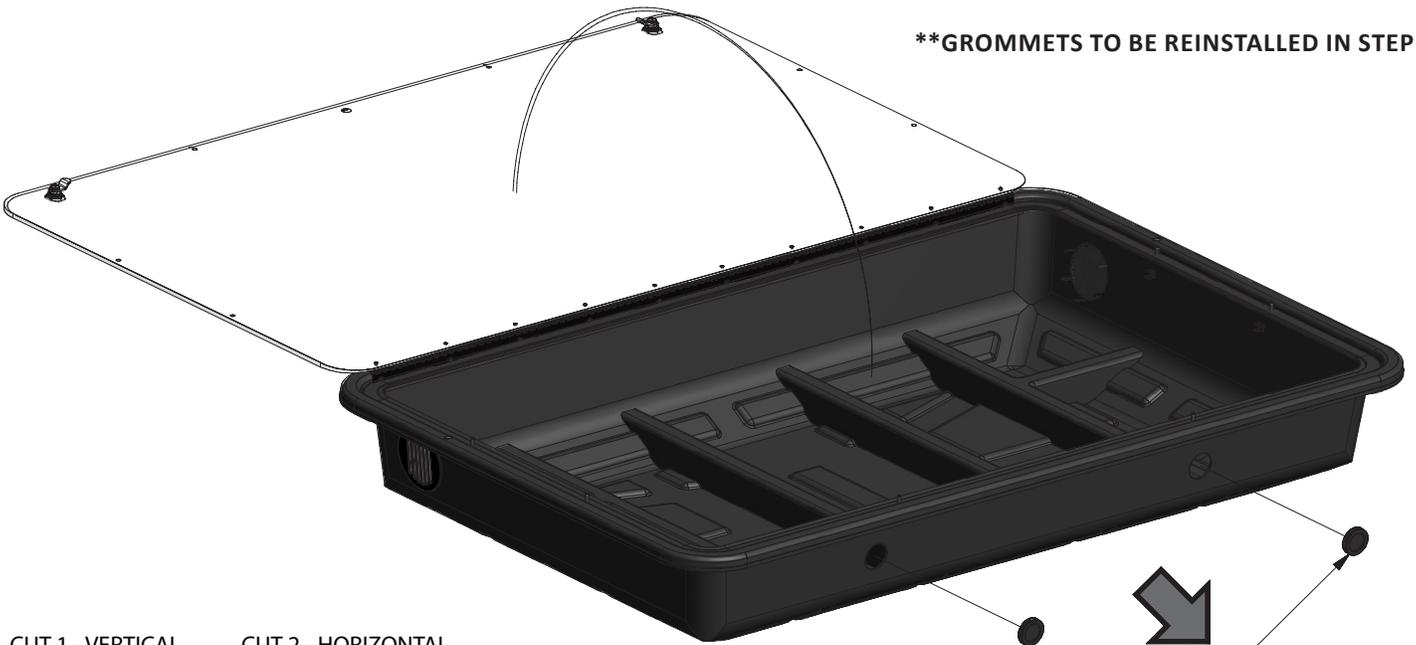
CAP - KNURLED - BLK .25X.50



# STEP 2

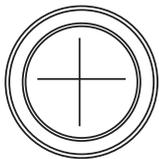
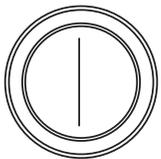
1. Remove the bottom grommets and make vertical and horizontal cuts as shown below.

**\*\*GROMMETS TO BE REINSTALLED IN STEP 7**



CUT 1 - VERTICAL

CUT 2 - HORIZONTAL

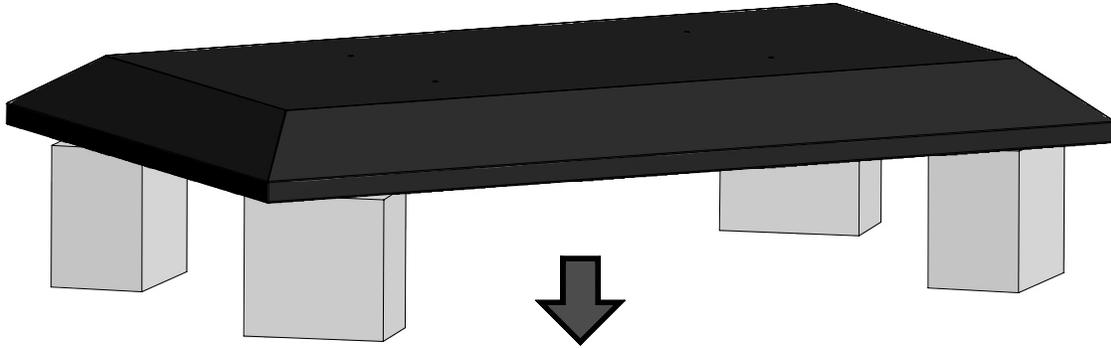


GROMMET - BOTTOM - LG  
(2 pieces)

NOTE: BE SURE TO CUT ALL THE WAY THROUGH.

## STEP 3

1. Arrange the foam blocks on the ground and then place the TV face down on them, as shown in the diagram.
2. Pick the correct size screw that your TV uses by either checking the owner's manual or by taking the provided threaded screws from your separately sold mount and screwing them into the mounting holes located on the back of your television. Remove the screw after checking as you will need this information for Step 5 below.

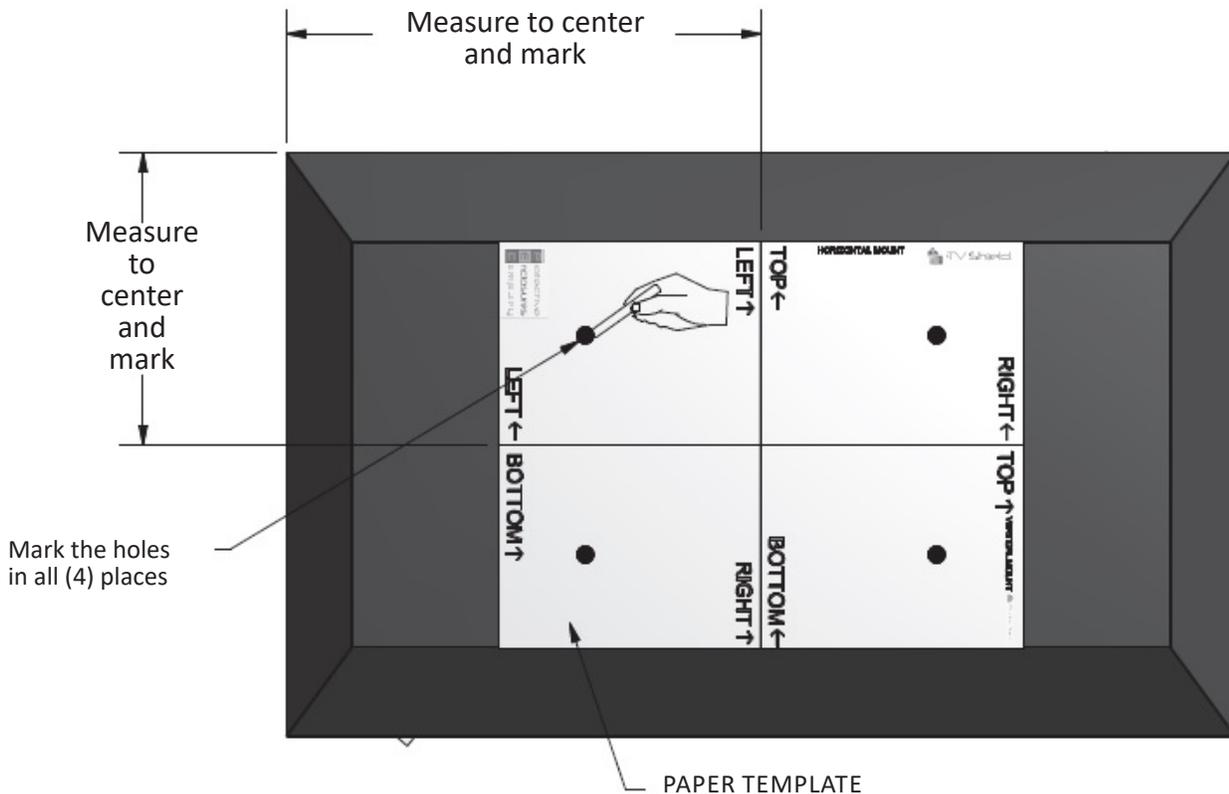


**\*\*POSITION FOAM BLOCKS UNDER THE OUTSIDE FRAME OF THE TV (NOT ON THE SCREEN).**

## STEP 4

1. Locate and mark the horizontal and vertical centers on the back-side of the TV. Lay the provided template over the back of the TV and align the template cross-hairs with the previously located horizontal and vertical centers on the TV. Mark the mounting bracket hole locations on the template, as shown below by punching a hole in the template.

**\*\*ACCURACY OF THE MEASUREMENTS ARE HIGHLY IMPORTANT FOR PROPER ASSEMBLY OF THE UNIT.**



# STEP 5

1. Transfer the hole pattern to the back of your The TV Shield® by aligning the cross-hairs etched into the surface of The TV shield® with the cross-hairs on the template.

**\*\*ACCURACY OF THE MEASUREMENTS IS HIGHLY IMPORTANT FOR PROPER ASSEMBLY OF THE UNIT.**

2. Drill holes in the back of The TV Shield® at the location marked on the template using the drilling schedule below which is based on the threaded stud size you tested in Step 3:

Drilling Schedule	
Fastener Size:	Drilling Bit:
M4	5/23" or 4 mm
M5	3/16" or 5 mm
M6	1/4" or 6 mm
M8	5/16" or 8 mm

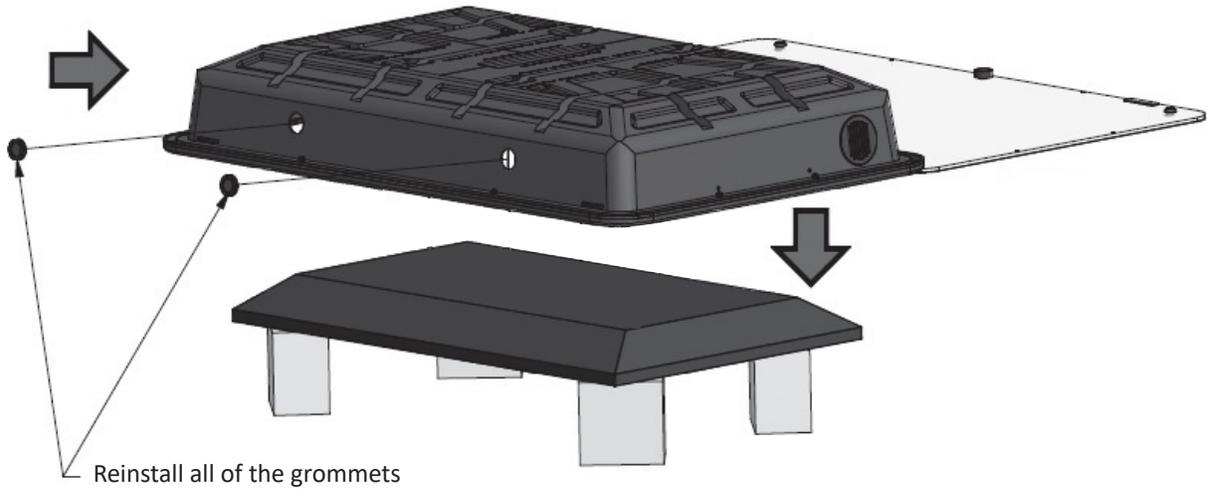
Drill through the back of The TV Shield®



PAPER TEMPLATE

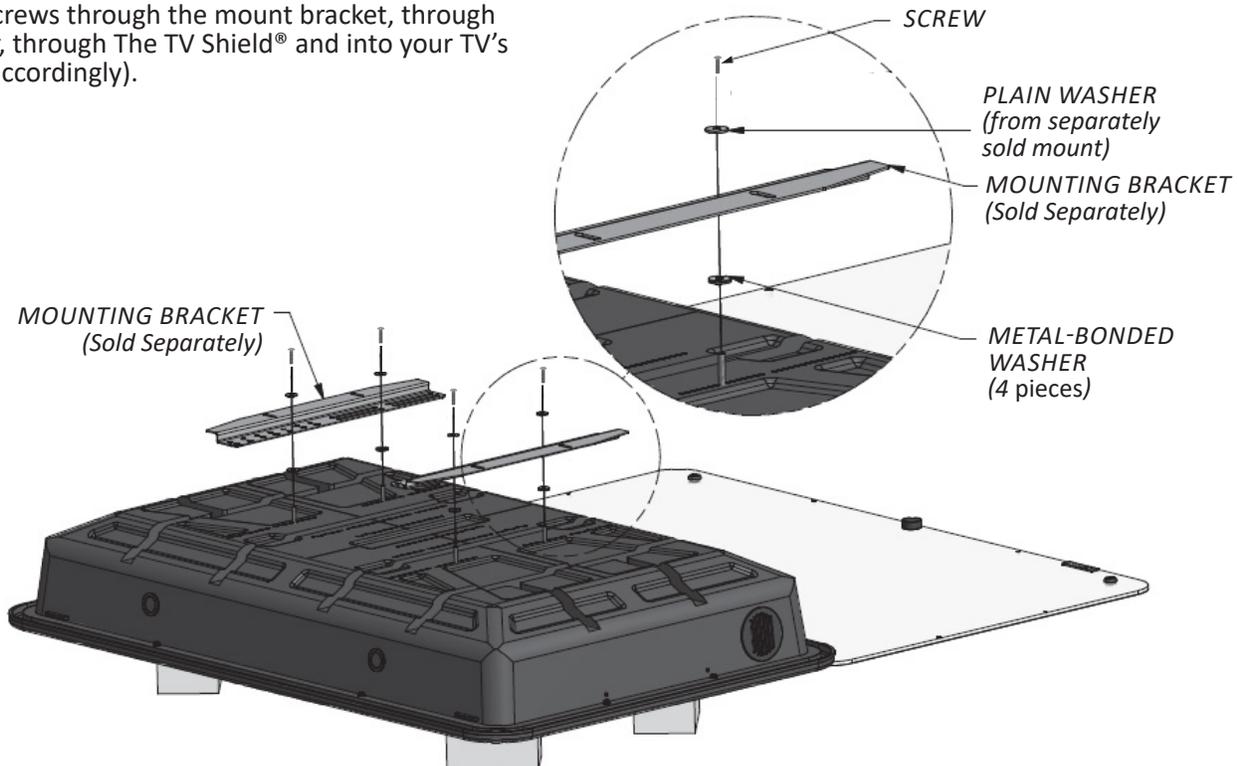
## STEP 6

1. Install the power cord and any HDMI/Coax Cable/Component Cables needed, into the correct “port(s)” on the display.
2. Pull all the cords and wires through the opening(s) where you removed the grommets and reinstall the grommets around the cords.
3. Place The TV Shield® directly over the TV (and foam blocks) and align the previously drilled holes with the mounting holes in your TV by looking through the drilled hole and lining them up. Using a flashlight in this step may be helpful.



## STEP 7

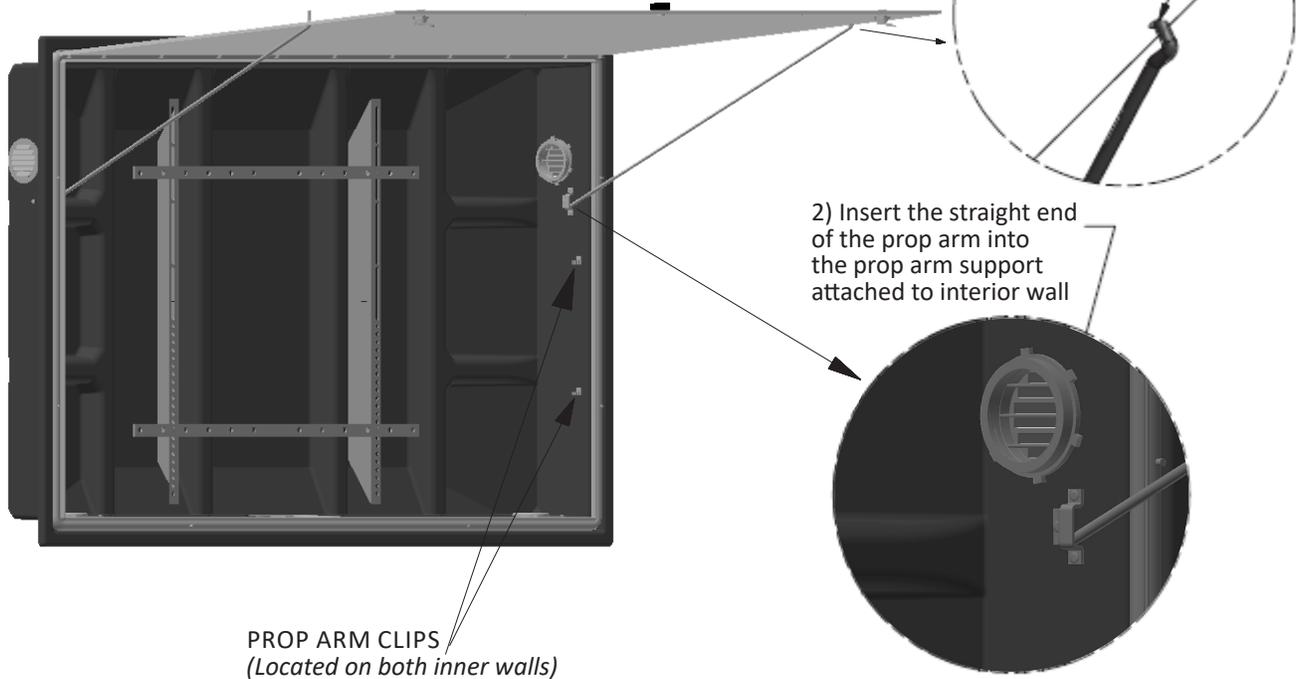
1. Install the mounting screws provided with your separately sold mount. You will run the screws through the mount bracket, through the metal bonded washer, through The TV Shield® and into your TV's mounting holes (tighten accordingly).



## STEP 8

1. For storage, snap the prop arms into the clips on both side-walls of the unit. See installation points in diagram for prop arms when in use.

1) The bent end of the prop arm goes into the furthest hole



**\*\*\*SEE THE CLEANING INSTRUCTIONS LOCATED WITHIN THIS MANUAL.\*\*\***

## STEP 9

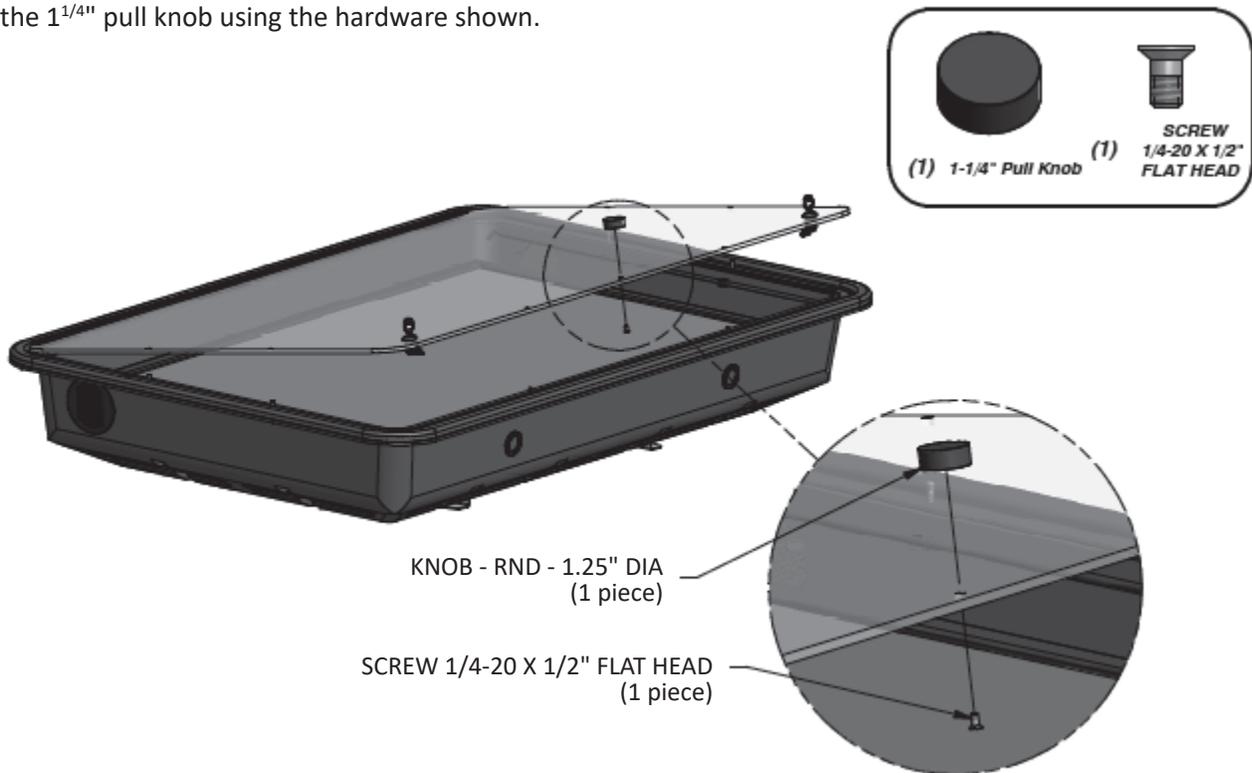
1. Peel and remove the protective paper from both sides of the polycarbonate cover.

**Note:** As a precaution, wash your hands and have a clean work area before you remove the protective covering. This will avoid any possible scratching of the lens that may occur during the wall mounting procedure. Also, it is advised to wipe clean the inside of the shield before securing.



## STEP 10

1. Attach the 1<sup>1/4</sup>" pull knob using the hardware shown.

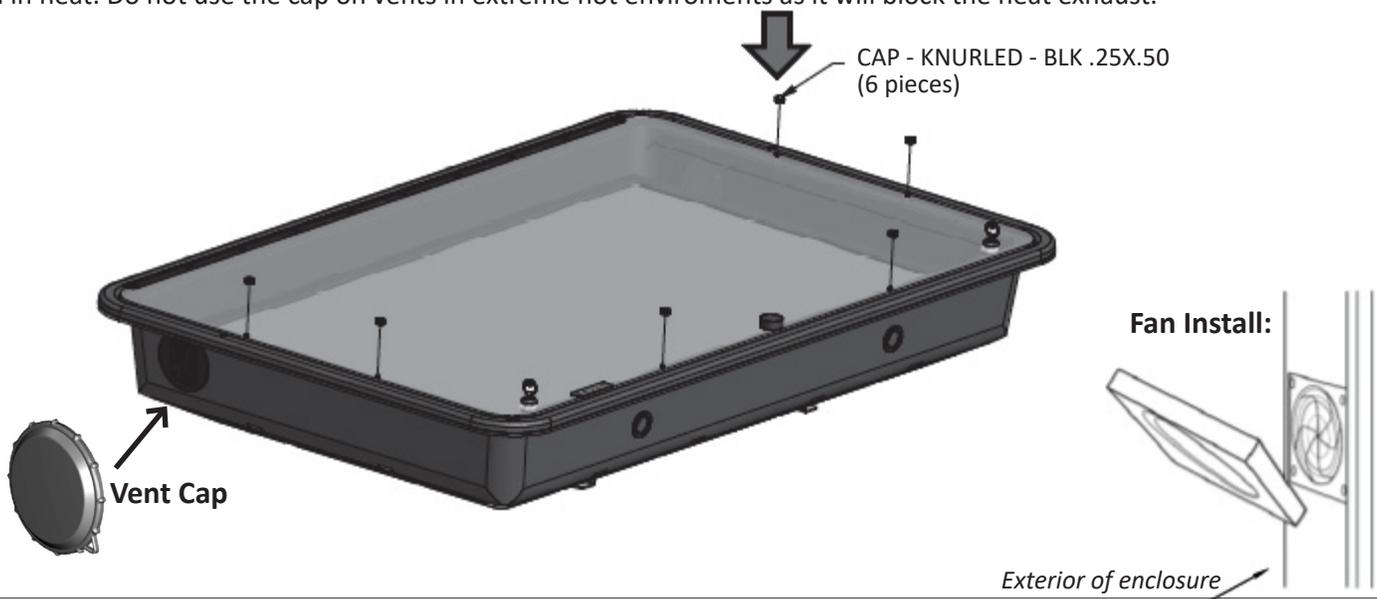


## STEP 11

1. Close the cover and replace the knurled caps, as shown.

2. If you purchased a unit with a fan system, please install the included fan filter. This filter protects the TV from bugs, dust and more. Place the foam filter inside the filter cover and snap on the exterior of the fan located at the bottom of your enclosure.

3. Installation of vent caps is only recommended for situations like wash down and to cap the vents in cold environments to hold in heat. Do not use the cap on vents in extreme hot environments as it will block the heat exhaust.



## STEP 12

1. Mount the TV, enclosed within The TV Shield® as one unit, according to the TV mount instructions provided with your mount (sold separately).

# CLEANING INSTRUCTIONS

## Polycarbonate:

When the polycarbonate sheet is first installed, the glazing compound and masking paper adhesive can be easily removed by applying naphtha (VM and P) or kerosene with a soft cloth, followed immediately with a thorough soap and water cleaning (DO NOT USE GASOLINE). Adherence to regular and proper cleaning procedures is recommended to preserve the appearance of the unit.

## Washing to Minimize Scratching:

Wash the polycarbonate sheet with a mild soap or detergent (such as 409 cleaner) and lukewarm water, using a clean sponge or a soft cloth. Rinse the panel well with clean water. Dry the product thoroughly with a chamois or moist cellulose sponge to prevent water spots. Do not scrub, use brushes or apply abrasives on these products. Splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing the shield lightly with a good grade of naphtha or isopropyl alcohol. Follow the alcohol rub with a mild detergent wash using warm water and end with a clean water rinsing.

## Minimize Hairline Scratches:

Scratches and minor abrasions can be minimized by using a mild automotive polish. Three such products that tend to polish and fill scratches are Johnson Paste Wax, Novus Plastic Polish #1 and #2, Novus, Inc., Minneapolis, MN and Mirror Glaze plastic polish (MG M10) Mirror Bright Polish Co., Pasadena, CA. It is suggested that a test be conducted on a sample of the polycarbonate sheet with the product selected and that the polish manufacturer's instructions be followed.

- DO NOT use abrasive or highly alkaline cleaners on the polycarbonate.
- DO NOT scrape the polycarbonate sheet with squeegees, razor blades or other sharp instruments.
- DO NOT ever use benzene, gasoline, acetone or carbon tetrachloride on the polycarbonate sheets.
- DO NOT clean the polycarbonate sheets in the hot sun or on very hot days.

## Compatible Cleaners for Polycarbonate Plastic:

The following cleaning agents have been found to be compatible with polycarbonate (the manufacturer's instructions should be followed):

- The TV Shield® recommended cleaners (found on our website at [www.thetvshield.com](http://www.thetvshield.com))
- Formula 409™ (Clorox Co.) Top Job™ (Proctor and Gamble)
- VM and P grade Naphtha Joy™ (Proctor and Gamble)
- Windex w/Ammonia D™ (Drackett Products)
- Palmolive Liquid™ (Colgate Palmolive)

## Cleaners for Graffiti Removal:

- Butyl Cellosolve (for removal of paints, marking pens, lipstick, etc.)
- Masking tape, adhesive tape or lint removal tools (work well for lifting off old weathered paints)
- Kerosene, naphtha, or petroleum spirits (generally effective for removing labels, stickers, etc)  
*Note: When the solvent will not penetrate the sticker material, apply heat (hair dryer) to soften the adhesive and promote removal (GASOLINE SHOULD NOT BE USED).*

## Job Site Precautions:

New construction and renovations frequently require that the glazing and surrounding sash and wall finish be cleaned of any excess mortar, paint, sealant, primers or other construction compounds. Only recommended cleaners should be used to clean the polycarbonate sheets. Contact with harsh solvents such as methyl ethyl ketone (MEK) or muriatic acid can result in surface degradation and possible crazing of the polycarbonate.

## BEST OUTDOOR MOUNTING PRACTICES

If you are mounting your unit in an outdoor environment, we have come up with some best practices to reduce the glare and to give you the best viewing of your TV or monitor.

- Purchasing an enclosure with anti-glare or installing our anti-glare front panel will reduce the glare to an extent, but does not eliminate it.
- Mount The TV Shield® in an area that does not get direct sun if possible.
- If mounting in direct sun or in an area that gets a lot of sun, it is best if you have some type of backdrop in front of The TV Shield®. E.g., if you can mount the enclosure where there is a wall in front of it, trees, bushes or any other darker objects, it will help with reflection.
- Use a tilting and swiveling mount as you may be able to angle the enclosure in different directions to reduce the amount of glare or reflection while watching.
- Depending on your TV's options, change the picture mode (in the settings menu) to dynamic and/or adjust the contrast, brightness, sharpness and color.



## **The TV Shield® Limited Product Warranty**

This limited warranty is provided by Protective Enclosures Company, LLC for The TV Shield® product(s) identified by the purchaser's registration as indicated below. This limited warranty is between Protective Enclosures Company, LLC and the registered purchaser of the product. There are no other warranties, express or implied, except as required by law, including warranties of merchantability and fitness for a particular purpose, that are provided for herein; however, all such implied warranties, if any, are limited to the duration of this specific limited product warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

### **The TV Shield® Limited Product Warranty:**

- \* 3 Year Limited Warranty on high molecular weight polyethylene plastic housing against cracking and breaking with normal consumer use.
- \* 2 Year Limited Warranty on the polycarbonate front shield (cover/panel/window) against cracking or breaking with normal consumer use. This warranty does not cover any scratches or damage caused by abuse or abnormal use; it only covers against discoloring, cracking, yellowing, or breaking of the polycarbonate front shield.
- \* 1 Year Limited Warranty on product failure or quality of workmanship and on all other components against any manufactures defects.

This is a limited warranty, subject to the conditions, limitations and exclusions identified herein. Protective Enclosures Company, LLC warrants to the original purchaser of the registered or identified product for a period of time listed above, from the date of purchase, that the product shall be free of defects in materials, and workmanship, and subject to the limitations set forth below; Protective Enclosures Company, LLC will repair or replace, at its option, any defective unit. Protective Enclosures Company, LLC hereby warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, prove to be defective in material or workmanship within one (1) year from the date of the original purchase, such defect(s) will be repaired or replaced with a new or reconditioned product (Protective Enclosures Company LLC's option) without charge for parts and repair labor. Purchaser must return the product to Protective Enclosures Company, LLC, (return receipt requested) or by other means that confirms delivery and Protective Enclosures Company, LLC shall make the said repairs or replacement within 60 days of receipt. In some instances the product may have been discontinued and cannot be replaced, or repaired. In that instance Protective Enclosures Company, LLC shall in its discretion attempt to replace the product with a substantially similar product in a current model or design or pay the purchaser a sum for the then fair market value of the product, considering the amount of depreciation since sale, and the use of the product. This Limited Warranty is the original retail purchaser's sole remedy for any and all such defect(s).

### **Conditions and Limitations:**

Proof of purchase is required (i.e. the sales receipt or other proof of payment). Damage caused by accidents, abuse, misuse or modification of the product will render this warranty null and void. This warranty is applicable only to the original purchaser and is not assignable or transferable. To obtain repairs or replacement under the terms of this warranty, please contact Protective Enclosures Company, LLC at 1-800-331-2628 or visit [www.protectiveenclosures.com](http://www.protectiveenclosures.com). You will need to provide proof of purchase (dated receipt showing where the item was purchased) and the product part number in order to receive warranty service. The purchaser is required to send the product back to Protective Enclosures Company or to a designated repair center and the purchaser is responsible for all charges for shipping and handling.

**This Limited Warranty does NOT cover:**

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, theft or attempted theft, vandalism, improper installation, lack of reasonable care, unauthorized repair or service, or if the model or serial number has been altered, tampered with, defaced or removed.
2. Loss or damage caused by the use of unauthorized cleaning products or methods that damage or destroy the product.
3. Initial installation or the removal and re-installation of the product.
4. Cosmetic damage, an act of God, or natural disaster.
5. Products modified or used for any purposes other than for those which the product is specifically designed.
6. Damage that occurs in shipment (the third party shipping service is responsible for any shipping damages).

**The company reserves the right to remedy any minor defects in defective units by replacing defective, inoperable or missing parts rather than offering a refund or exchange.**

Protective Enclosures Company, LLC, or any subsidiaries, shall not be liable, under any circumstances, for incidental, indirect, special, and consequential or multiple damages as a result of the sale or use of this The TV Shield® product. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

THE EXTENT OF PROTECTIVE ENCLOSURES COMPANY, LLC'S LIABILITY UNDER THIS WARRANTY IS LIMITED AS PROVIDED ABOVE AND, IN NO EVENT, SHALL THE LIABILITY OF PROTECTIVE ENCLOSURES COMPANY, LLC EXCEED THE PURCHASE PRICE PAID BY THE ORIGINAL RETAIL PURCHASER FOR THE PRODUCT.

**Any questions regarding this warranty should be addressed to:**

Protective Enclosures Company, LLC  
The TV Shield | The Display Shield  
ATTN: WARRANTY DEPARTMENT  
385 Centerpointe Circle  
Suite 1319  
Altamonte Springs, FL 32701  
USA  
800-331-2628 Toll Free

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES OR LIABILITIES. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. IN NO EVENT SHALL PROTECTIVE ENCLOSURES COMPANY, LLC, OR ANY SUBSIDIARY, OWNER, OR PARTNER BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY EXPRESS OR IMPLIED WHATSOEVER.

No person or representative is authorized to assume for Protective Enclosures Company, LLC any liability other than expressed herein in connection with the sale of this product. Some jurisdictions do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from jurisdiction to jurisdiction.

## REFUND/RETURN POLICY

We offer a **30 Day Money Back Guarantee** on all unopened, unused and/or undamaged units. The unit must be unaltered and it must have the protective covering(s) on the front panel and be undamaged and in original new condition. A 10% restocking fee applies and all refunds will be minus the actual shipping charges to and from Protective Enclosures Company.

**Upon acceptance and processing of the return/refund, all funds will be returned to the original method of payment (minus all fees).**

After 30 days, and up to 90 days from the date of the purchase, if you are not happy with The TV Shield® enclosure, and have opened it, you can return it for a refund, less actual shipping charges to and from Protective Enclosures Company. The unit(s) must have protective covering(s) on the front panel and be undamaged and in original new condition. Due to the nature, size and logistics in inventory management and distribution, our restocking fee after 30 days, and up to 90 days, is 25% and applies to all opened / new non defective The TV Shield® enclosures.

**All refunds will be returned to the original method of payment minus all fees and will be processed on our end within 10 business days (excluding weekends and holidays).**

Protective Enclosures Company DOES NOT accept returns on units that have been drilled, scratched, damaged, abused or have had the protective coverings taken off of the front panel, as they cannot be resold as new products. If you have made a mistake when drilling or mounting The TV Shield®, although we will not accept a return within terms, we do have several remedies available to you to help you repair the “damaged” area and still be able to use your unit. Please call our customer service department for help at 1-800-331-2628 which is toll free, anytime during normal business hours which are between 9:30am and 6:00pm Eastern Standard Time, Monday through Friday.

### LIMITED WARRANTY

**Protective Enclosures Company, LLC – The TV Shield® Limited Warranty – Valid in the United States and Canada**

#### **Protective Enclosures Company, LLC**

The TV Shield | The Display Shield

385 Centerpointe Circle

Suite 1319

Altamonte Springs, FL 32701

800-331-2628 Toll Free

Specifications are subject to change without notice.  
All trademarks are the property of their respective owners.  
[www.protectiveenclosures.com](http://www.protectiveenclosures.com)



**Protective Enclosures Company**  
CenterPointe Circle, Suite 1319,  
Altamonte Springs, Florida. 32701  
1-800-331-2628

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All trademarks are the property of their respective owners.

[www.thetvshield.com](http://www.thetvshield.com)

# Accessories

## Accessories for PEC's Outdoor TV & Display Enclosures



For Hot or Cold Environments with Moisture, Dust & More...

### CLIMATE CONTROL

#### Anti-Glare Front Shield



Reduces Sun Glare & Improves Clarity

<b>Models:</b>	<b>Models:</b>
TVS1929FSAG	DS1929FSAG
TVS3032FSAG	DS3032FSAG
TVS3643FSAG	DS3643FSAG
TVS4450FSAG	DS4450FSAG
TVS5255FSAG	DS5255FSAG
TVS6065FSAG	DS6065FSAG

Sun rays create a significant glare challenge for outdoor TV solutions. This means that light reflecting off of a TV or display can easily hinder viewing clarity. PEC has developed an innovative anti-glare coating process for shatter-resistant polycarbonate front panels which eliminates 90% of glare. PEC's scratch resistant anti-glare shields enable much higher quality viewing for TVs and digital monitors placed in direct sun environments.

#### Heater



This fan forced heater keeps the interior temperature of a unit between 41° F and 47° F (above freezing). It has an in-line thermostat and requires at least 1 1/2" of space between the bottom of the TV and the enclosure in order to be installed.

#### Dust Cover



*Add a Layer of Protection from Dust, Insects or to Simply Discourage Tampering*

This quick install cover is ideal for those times when you are not going to use your TV or The TV Shield.

1. Material: waterproof/dustproof premium fabric
2. Elastic fit for quick installation and removal
3. Custom designed to fit your PEC enclosure

#### Moisture Control Gel Case



This Dehumidifying Silica Gel Case absorbs dampness inside the case and protects anything that can be damaged from rust, mildew, and fungus (the case size is 4" x 2" x 1/2").

Visit [www.thetvshield.com](http://www.thetvshield.com) for Full Product Descriptions and to Order or Call 1-800-331-2628

## CLEANERS & PROTECTANTS

### Shield Cleaner / Polish / Cleaning Pad Combo Kit



#### Kit Includes:

1. One 8 oz. bottle of PEC Novus #1 cleaner
2. One 8 oz. bottle of PEC Novus #2 polish
3. One cleaning pad

This kit includes PEC's top recommended products for keeping enclosures clean and looking like new.

The Novus #1 cleaner gently cleans all plastics without scratching and leaves a lustrous shine that resists fogging, repels dust, and eliminates static. The cleaner also helps prevent finger marks, contains no abrasives or harsh chemicals and leaves a smooth, clean, greaseless shine.

The Novus #2 polish removes scratches, haziness, and abrasions from most plastics. Use the cleaner repeatedly to restore faded and discolored plastics. The product removes the damage instead of filling it in and buffs out quickly. After restoring, this solution seals with a coat of polish.

*\* Never clean polycarbonate with paper towels because they can scratch the shield!*

### Polycarbonate Shield Cleaner #1 (8oz Spray)



#### Features:

1. Improves finger smear resistance
2. Contains no abrasives or harsh chemicals
3. Leaves a smooth, clean, greaseless shine

This solution gently cleans all plastics without scratching and leaves a lustrous shine that resists fogging, repels dust, and eliminates static.

### Polycarbonate Shield Polish #2 (8oz Bottle)



#### Features:

1. Removes damage instead of filling it in
2. Buffs out quickly
3. After restoring, this treatment seals with a coat of polish

This polish removes scratches, haziness, and abrasions from most plastics. Use the solution repeatedly to restore faded and discolored plastics. A 2oz bottle is also available.

## OUTDOOR AUDIO

### Outdoor Audio Speaker Kit



#### Kit Includes:

1. Pair of 4" dual 3-way black 50Watt RMS/100watt max dynamic indoor & outdoor speakers
2. 20WX2 mini amplifier w/ A/C power adapter
3. RCA cable
4. 20ft high quality speaker cable
5. Self-adhesive Velcro®

This solution will provide better audio than a TV could provide and it far surpasses the sound you would have gotten, giving you the ability to have music or dynamic movie watching experiences outside. Some TVs need a converter for this kit.

### 4" Outdoor Dual 3-Way Speakers



#### Features:

1. Pair of dual black multipurpose indoor/outdoor speakers
2. 50 watts of RMS power, with 100 watts of peak power
3. 4" woofer, 25mm poly cone midrange, & 20mm piezo dome tweeter
4. Wall-mountable, UV-treated ABS enclosure; mounting brackets included
5. Each speaker measures: 8.25" x 5.25" x 5.25" (H x W x D)

These are great sounding 3-way speakers that work indoors or outdoors with 100 watt peak power handling (they can mount to the unit directly or they can mount to the wall).

### Premium Digital to Analog Audio Converter



#### Features:

1. Converts Coaxial or Toslink signals to analog L/R audio
2. Toggle switch is used to choose Coaxial or Toslink as the input
3. Supports DTS/Dolby Digital audio source
4. Built-in Dolby/DB HD, the DTS HD, LPCM/LPCM with decoding
5. 24-bit S/PDIF incoming bit stream on left & right channels
6. Supports a full range of 32k, 44k, 1k, 48k, 64k, 88.2k, 96k, 192k
7. Power Supply: 5V DC

Some TVs need this item for the audio kit system to work. TVs that don't have RCA or 3.5mm headphone outputs need this Dolby Digital approved, UL listed converter.

### Mini Stereo Amplifier (Analog Inputs)



#### Features:

1. 2 channel
2. 3.5 input for iPod or any other MP3/MP4 device
3. Separate bass & treble controls
4. Aluminum alloy case
5. Input power: DC 9- 14.4v 2A
6. Input impedance: 47k
7. Frequency response: 20Hz-20kHz
8. Speaker impedance 2-8ohm
9. Harmonic distortion: <0.4%
10. SNR >80db
11. Size: 6.02" x 3.74" x 1.5"
12. Two 10ft high speaker cables

This Amp allows you to listen to music easily and includes power supply, volume control, a pair of RCA cables and an RCA Input to plug into your TV.

Call 1-800-331-2628 or Visit [www.thetvshield.com](http://www.thetvshield.com) to Order

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