



Motorized Series

Electric Wall/Ceiling Projection Screen

USER'S GUIDE

User's Guide – E type (RC1) V1.0

Important Safety & Warning Precautions

Make sure to read this user's guide and follow the procedures below.

Caution: The screen's Black Top Drop is already set to its maximum drop distance. There is NO extra Black Top Drop in the roller. Please be aware of this as it will void your warranty with AKIA Screens. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty. For more information, please contact our Technical Support Department.

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any unauthorized accessories not recommended by the manufacturer.
- Handle the unit carefully during transportation to avoid any damages.
- To ensure safe and reliable operation, direct connection to a properly grounded power source is advised.
- The power outlet supplying power to the unit should be close to the unit and easily accessible.
- Do not install the unit on uneven or inclined surfaces.
- Do not put heavy objects on the power cord and position it properly to avoid creating a trip obstacle.
- Never overload the power cord to prevent an electric shock or fire due to a loose contact or a short circuit.
- There are not user serviceable parts in this unit. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open and make repairs to this unit.
- Make sure the power source this unit is connected to has a continuous power flow.
- If there is need to use an extension cord, make sure the cord has an equal rating as the appliance to avoid overheating.
- Do not handle the power plug when your hands are wet or your feet are in contact with water.

Do not use this unit under the following circumstances.

- Disconnect the power cord under the conditions of heavy rain, wind, thunder or lightning.
- Avoid direct Sunshine, rain shower and moisture.
- Keep away from fire sources and high temperature to prevent this device from overheating.
- Cut off the power supply first before transportation or maintenance.
- Fully disconnect from the power supply when the unit is not in use for a long period of time, as should be done with any other electric household appliance.
- To avoid possible injury and/or an electric shock, do not attempt to use the screen if there is obvious damage or if there are any evident broken parts.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur on a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- ✓ **Reorient or relocate the receiving antenna of the device which may be causing the interference.**
- ✓ **Increase the separation between the screen and the device’s receiver.**
- ✓ **Connect the equipment into a different power outlet other than the device.**

Pre-Installation


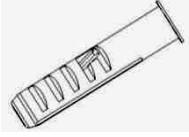
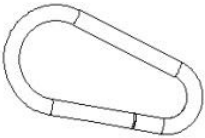
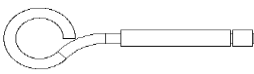
1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

NOTE

Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall. Included mounting screws are complimentary and may not be appropriate for all mounting surfaces. Use appropriate anchors to safely secure the screen to the mounting surface or consult with a professional installer.

Hardware and Controls Accessories List

Please make sure all parts listed below are included before proceeding with the installation.

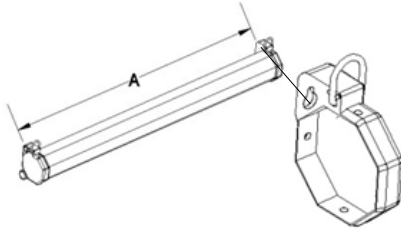
A. M5x60 Screw x2	B.M12 Dry-wall anchor x2	C. Snap link x2	D. M6.5 eyebolt screw x2
			

Installation Instructions

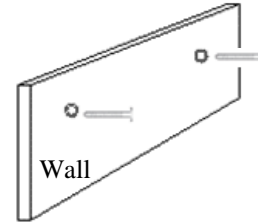
For installation assistance, please consult a professional Installer. AKIA Screens is not liable for faulty installations.

A. Wall Mount

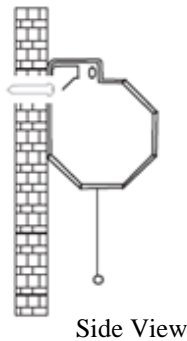
Step 1: Measure and mark the (A) distance between the two holes on each bracket.



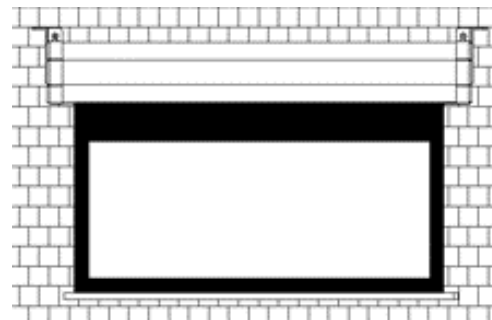
Step 2: Drill a hole for each screw hole on the marked areas. Insert a **dry-wall anchor** into the wall. Then screw the **M5x60 Screw** in each **dry-wall anchor** in leaving about 1/8" of an inch.



Step 3: Hang the screen by aligning the end cap holes to the M5x60 screws.

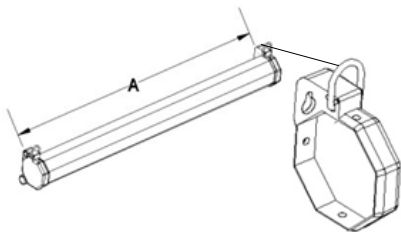


Step 4: please make sure the screen is on a line.

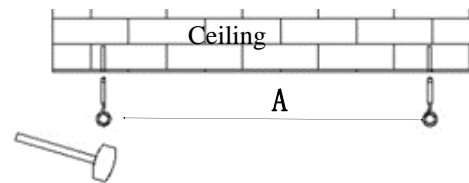


B. Ceiling Mount

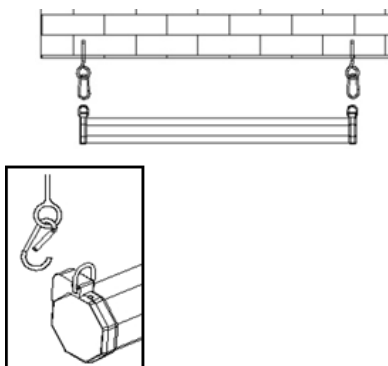
Step 1: Measure and mark the (A) distance between the two loops on each bracket.



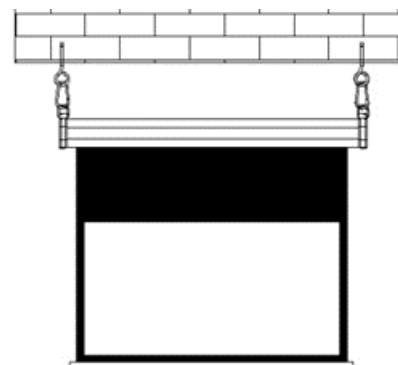
Step 2: Drill a hole on all marked areas and insert the M6.5 eyebolt screw into the hole, then screw up with hammer.



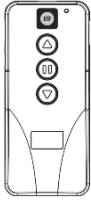
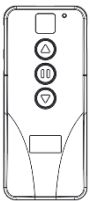
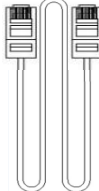
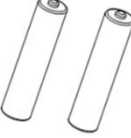
Step 3: Attach the snap link through the eyebolt and connect it to the loop on the screen's end cap.



Step 4: please make sure the screen is on a line.



Motorized Screen Series | Controls and Accessories

A. IR (Infra Red) Remote Control ZRC1-IR	B. Wall box controller ZRC1-WB	C. RJ50 Cable ZRC1-RJ50	D. AAA batteries
			

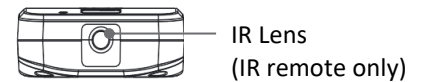
Screen operation

Electric Current: Depending on your region, the screen will operate in either 110v or 220v voltage.

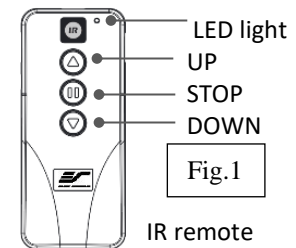
1. After ensuring the power outlet & screen are compatible (voltage), plug the power cord into the power outlet.
2. Once the screen has power, you'll be able to control it using any of the 3 **methods** described below.

3 Ways to control your Evanesce Tab-Tension B screen

1. IR Remote control (Item A, Fig 1): The Infrared functions by direct line of sight contact using an effective beam range of 25 feet within a 30-degree angle. Aim the IR remote directly at either the IR receiver on the Wall Box Controller or on the screen to operate the screen.



Note: Assure there is no obstruction between the IR remote and IR receiver.



2. Wall box controller (Item B, Fig 3): The wall box controller switch is a wall mounted control box with an up/stop/down button. It plugs directly into the screen's RJ50 port.

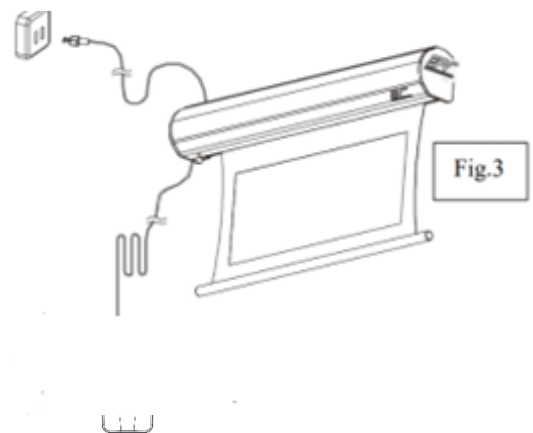
RJ50 PORT:
Connects to the
Screen RJ50 PORT
(RJ50 CABLE ONLY)

3.5mm mono Projector
Trigger Port (if Projector
equipped)

Wall box controller
SIDE VIEW

Programming
Key

Wall box controller
BACK VIEW



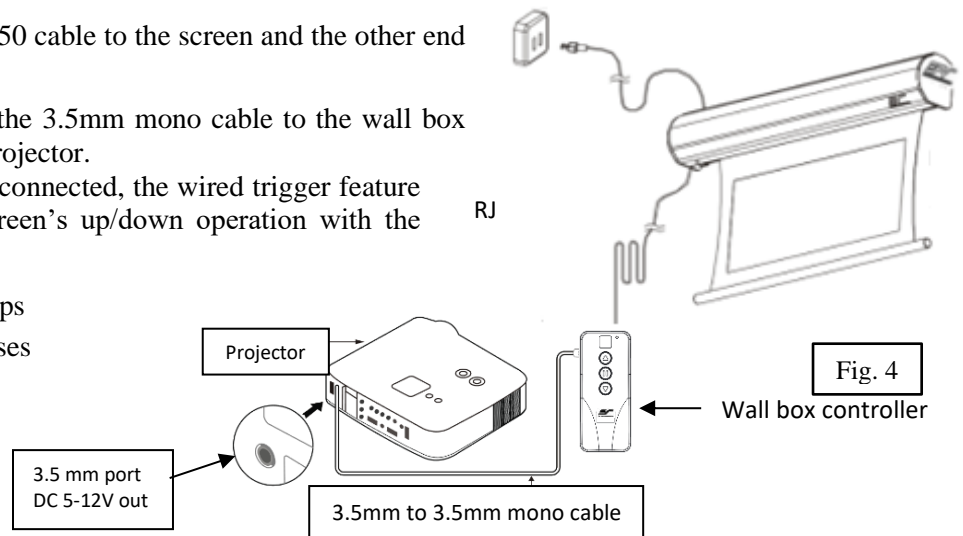
3. Wired 5-12 volt trigger: Requires a 3.5mm to 3.5mm mono cable (not included)

Step 1: Connect one end the RJ50 cable to the screen and the other end to the Wall box controller.

Step 2: Then connect one end the 3.5mm mono cable to the wall box controller and the other to the projector.

Once the two cables have been connected, the wired trigger feature is ready to synchronize the screen's up/down operation with the projector's power cycle.

- Projector on, screen drops
- Projector off, screen raises



ADVANCED Programming Key Instructions: (FOR ADVANCED USERS ONLY)

Wall box controller must be connected to the screen.

ATTENTION: Reducing the factory's full screen drop may produce waves/wrinkles on the projection surface on tab-tension screens. The full drop is recommended to allow the screen to rely on the tab-tension system to maintain the projection surface flat and taut on all sides.

The same applies on non-tensioned screens, although some level of waves may be present due to the nature of the screen not being tensioned. If wrinkles/waves develop after making the adjustment to the desired drop position, reset it to the factory's default position per the instructions below.

FLATNESS AFFECTED BY NEW PROGRAMMED VERTICAL POSITION IS NOT COVERED UNDER A REPLACEMENT WARRANTY.

1. Preset the Screen's Drop Position:

Use the RF/IR remote or Wall Box Controller to Drop the screen to the desired position you want to set it at. Press & hold the "**Programming Key**", then press the "**Down key**" on the Wall Box Controller. The LED will flash 5 times to confirm new programmed drop position.

PROGRAMMING NOTE:

The programmed vertical position relies on a time-count which adjusts itself according to the programmed timed difference. Multiple up/down programming will result in the vertical position being off a few inches. It is recommended that programming is done the **first-time** the desired vertical position is determined or RESET it to factory default and programming the desired vertical position afterwards.

2. Clear/Reset the Screen's Drop Position to factory default:

Press & hold the "**Programming Key + Stop key**" on the wall box controller.

For more information, technical support or your local AKIA Screens contact, please visit www.akiascreens.com

SCREEN MATERIAL DISCLAIMER:

At first, the screen material may have a series of noticeable horizontal lines on its surface. These are known as memory lines. Memory lines are caused when the pliable projection material is rolled up and stored for the duration between its production and sale. This is both a normal and correctable phenomenon. For non-tensioned screens, you may also notice curling along the edges of the material. This is mainly due to environments in cold temperatures. Please try the following to alleviate the memory lines and side curls on the material. After installation, leave the screen in the down position for a few days in a warm room environment (above 75 degrees) and then commence regular (up/down) usage. This allows the material to stretch out and cure itself. After a few days, the lines should vanish and the edge curling will alleviate and will neither return nor affect the projected image during the years of its use.

NEGANTE DE EL MATERIAL:

De primero, se van a notar líneas horizontales en el material de la pantalla. Estas líneas son normales y son causadas por el tiempo que las pantallas están almacenadas desde el día de su producción hasta el día que se venden. Para las pantallas que no son tensionadas, también pueden tener rizos en las orillas del material. Estos fenómenos pueden ser corregidos con los pasos siguientes. Baja el material para que cuelgue por unos pocos días para que se estiren las líneas y los rizos. Es importante mantener la temperatura arriba de 75 grados para aliviar el material de estos fenómenos y para que se mantenga plano. Cuando se alivien las líneas y los rizos con la temperatura mantenido a 75 grados, estos fenómenos no deberían regresar.

Material Hinweis:

Das Leinwandmaterial kann beim erstmaligen Gebrauch sichtbare horizontale Streifen aufweisen. Diese Streifen entstehen durch einen längeren Lagerungszeitraum zwischen der Produktion und dem Verkauf. Diese „Memory“ Streifen sind nicht von Dauer. Lassen Sie die Leinwand beim erstmaligen Gebrauch einfach für einige Tage aushängen, dann werden die Streifen verschwinden und auch nicht wieder auftreten. Teilweise kann es bei Leinwänden auch zu einem zu einem einrollen des Leinwandtuches an den Seiten kommen. In der Regel hat das mit der Raumtemperatur zu tun. Wenn die Leinwand einige Tage bei normaler Umgebungstemperatur benutzt wird sollte sich auch dieses Einbiegen wieder zurückbilden.

屏幕材质免责声明：

屏幕材质在起初使用时表面可能会出现明显的水平线，这些水平线称之为记忆线。记忆线是因为屏幕投影材质在储存过程中长期卷曲所致，这一现象是正常的并可修复。对于非拉线的屏幕，屏幕可能会有卷边现象，这主要是由于低温的环境所造成的。请尝试按照以下的方法，可改善幕布表面的记忆痕和卷边的现象。在安装屏幕之后，把它完全展开并放置数天在暖和一点的室内环境中（24℃以上），然后开始定期（上/下）使用，这可以让屏幕材质完全伸展和修复。之后的几天内，这些线和卷边会消失，即不会反复出现也不会在使用期间影响投影效果。

Материала экрана ПРЕДУПРЕЖДЕНИЕ:

На поверхности этого материала для экрана вначале могут быть заметны горизонтальные линии. Они называются линиями памяти. Линии памяти возникают, когда самоклеящийся защитный материал сворачивается в трубку и хранится в таком положении в период между производством и продажей. Это – нормальное явление, с которым можно бороться. После установки, оставьте материал в растянутом положении в теплом помещении на несколько дней и затем регулярно поднимайте и опускайте. Это позволит материалу растянуться и разгладиться. Через несколько дней линии исчезнут навсегда, и больше никогда не будут портить изображение в течение многих лет использования.

スクリーンの素材の免責事項:

スクリーン生地は、出荷直後に限り、その表面に、目で見える水平の線が付いている場合があります。これは、「メモリーライン」と呼ばれる既知の現象です。メモリーラインは、スクリーンの在庫期間、スクリーン生地が巻き上げられたままの状態 で保存されたことが原因で発生する現象です。この現象は、正常であり、かつ、簡単に直るものです。また、テンションなしのスクリーンでは、スクリーン生地の縁の部分がカールしていることがあります。これは主に気温が低いことに起因して発生する現象です。メモリーラインやカールを直すには、設置後の最初の数日間、部屋を暖かくした状態(24度以上)でスクリーンを下ろしたまま放置し、その後、通常の使用(アップ/ダウン)を開始してください。放置することでスクリーンの生地を伸ばし、メモリーラインやカールを直すことができます。万一、数日経っても直らない場合、スクリーンを末永くご使用いただけるよう、交換致しますので販売店までお申し付けください。

AVISO SOBRE MATERIAL DE TELA DE PROJEÇÃO:

Inicialmente, o material da tela poderá ter uma série de linhas horizontais visíveis na sua superfície, no início. Estas são conhecidas como linhas de memória. As linhas de memória são causadas quando o material de projeção flexível é enrolado e armazenado durante o período entre a sua produção e utilização. Isto é tanto um fenômeno normal e corrigível. Após a instalação, deixe a tela esticada e desenrolada por alguns dias e depois inicie a instalação normal de enrola e desenrolar. Isso permite que o material da tela estique e fique lisa. Após alguns dias, as linhas desapareceram e não retornará ou afetará a imagem projetada durante os anos de uso.

SCREEN MATERIALE DISCLAIMER:

Il materiale di proiezione possono avere una notevole serie di linee orizzontali sulla superficie quando è nuovo e nella posizione più bassa per la prima volta. Questi sono conosciuti come linee di memoria e they sono causati quando la proiezione material is flessibile arrotolato e conservato per la durata tra la sua produzione e vendita. Questo è sia un fenomeno normale e correggibile. Dopo aver installato lo schermo per la prima volta, lasciarlo in posizione abbassata per qualche giorno e poi iniziare l'utilizzo regolare (su / giù). Questo permette al materiale di allungare e di cura. Dopo il periodo di pochi giorni, le linee dovrebbero sparire e non sarà né ritorno né da incidere l'immagine proiettata durante gli anni di utilizzo.

SCREENMATERIALDISCLAIMER:

Projektionsskärmenmaterialkanhaenradmärkbarhorisontellalinjerna på ytannärden ärnyochidetnedrelägetförforstagången. Dessa kallas minne linjer och de uppkommer i samband med böjligt projektionen materialet rullas ihop och förvaras under den tid mellan tillverkning och försäljning. Detta är både en normal och korrigerbara fenomen. Efter att ha installerat skärmen för första gången lämna den i nedfällt läge under ett par dagar och sedan börja vanlig (upp / ned) användning. Detta gör att material att sträcka ut och bota. Efter perioden för ett par dagar bör de poster som försvinner och kommer varken tillbaka eller påverkar den projicerade bilden under åren av användning.

Précision sur la toile de l'écran:

La toile de l'écran de projection peut présenter une série de lignes horizontales sur sa surface dans le cas ou cet écran est neuf et qu'il se trouve en position basse pour la première fois. Ces lignes résultent du fait que l'écran est resté enroulé pendant toute la durée qui s'écoule entre sa fabrication et sa commercialisation. Il s'agit d'un phénomène absolument normal et totalement passager. Après l'installation de l'écran pour la première fois, le laisser en position basse pendant quelques jours puis ensuite procéder à une utilisation normale (en actionnant les boutons haut / bas). Cela permet à la toile de s'étirer et de retrouver son état originel. Après une période de quelques jours, les lignes doivent disparaître et ne jamais réapparaître ni affecter la qualité des projections pendant toute la durée de vie de l'écran.

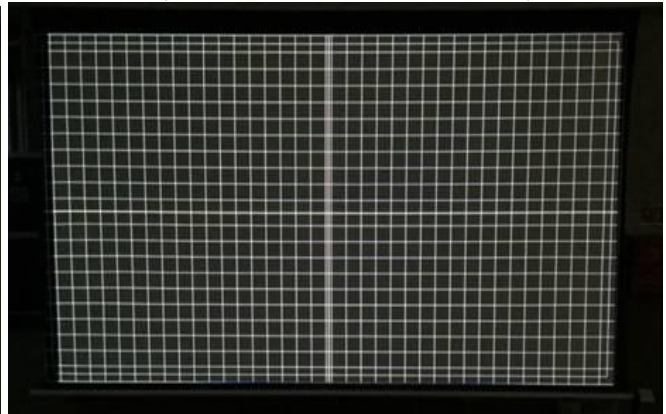
SHORT THROW PROJECTION DISCLAIMER

Using a *short throw projector* on a *non-tensioned* type screen will result in image distortion as the slightest wave on the viewing surface will become more evident.

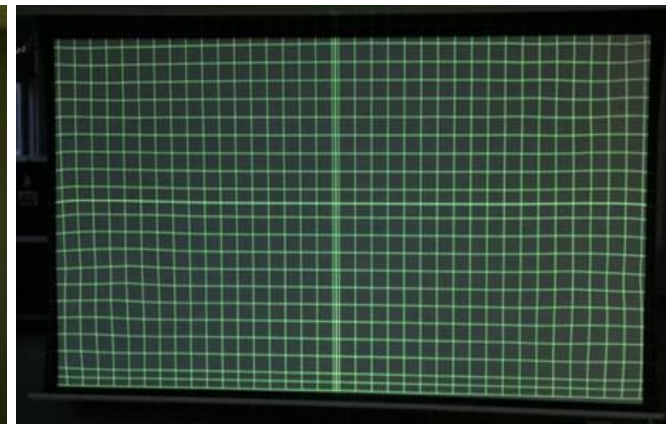
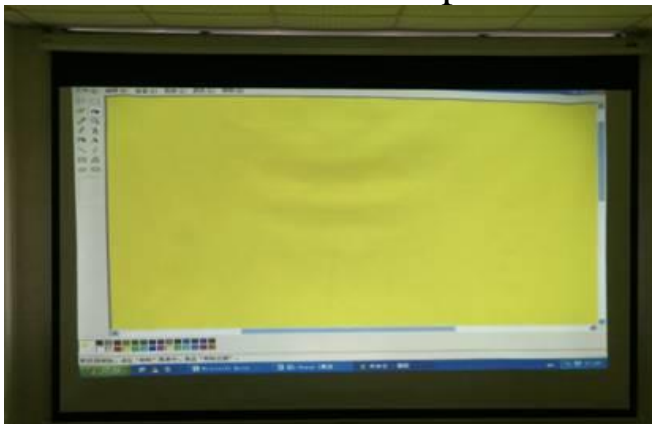
For *short throw projectors*, AKIA Screens recommends the use of a **motorized tab-tensioned, fixed frame or whiteboard** projection screen.

Examples of undoctored projection images using a *standard throw* and *short-throw* projector

Standard throw projected image shown below (waves are not visible)



This *short throw* projected image shown below, demonstrates how waves on the surface become more pronounced:



Actual Projection Images by two different AKIA Screens model with ***Standard Throw Projector*** (Model #:ViewSonic Pro8300) vs. ***Short Throw Projector*** (Model #:BenQW710ST)

Direct Sunlight Disclaimer

Projection Screens from any maker are not designed for use as a window curtain and should never be exposed to direct sunlight. Prolonged exposure to solar radiation will destroy synthetic materials and such damage is not covered by our standard warranty.

See examples below.

