

Barkan BM343XL2

Barkan Full Motion TV Wall Mount

Model: BM343XL2

INTRODUCTION

This manual provides detailed instructions for the safe and proper installation, operation, and maintenance of your Barkan Full Motion Articulating TV Wall Mount. Please read this manual thoroughly before beginning installation and retain it for future reference. This mount is designed for flat and curved screens ranging from 13 to 65 inches and supporting weights up to 79 lbs (36 kg).

SAFETY INFORMATION

WARNING: Improper installation or use of this product may result in serious injury or damage. If you do not understand these instructions, or have doubts about the safety of the installation, please contact Barkan customer support or a qualified installer.

- Do not exceed the maximum weight capacity of 79 lbs (36 kg).
- Ensure the mounting surface can safely support the combined weight of the mount and the TV.
- Always use a stud finder to locate wood studs for secure mounting.
- Wear safety glasses during installation.
- All Barkan TV mounts include a Fall Proof system to prevent accidental disengagement of the screen. Ensure this system is correctly engaged after installation.
- Keep children away from the installation area.

For detailed safety information, refer to the official Safety Information PDF document available on the Barkan website or via the link provided with your product.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- TV Mount Assembly
- Hardware Kit (includes various screws, anchors, washers, and spacers)
- Assembly Instructions (this manual)

If any parts are missing or damaged, do not proceed with installation. Contact Barkan customer support

immediately.

TOOLS REQUIRED FOR INSTALLATION

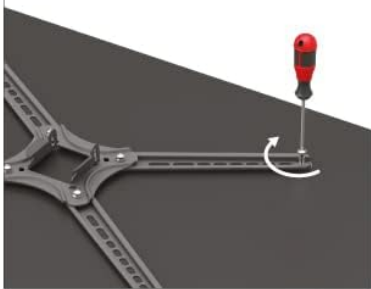
The following tools are recommended for a successful installation:

- Drill (1/4" - 6mm for wood studs, 3/8" - 10mm for concrete/brick)
- Level
- Safety Glasses
- Stud Finder (essential for drywall with wood studs)
- Pencil for marking
- Phillips head screwdriver or wrench (for tightening screws)


Additional value for money

Easy assembly **As easy as 1-2-3**

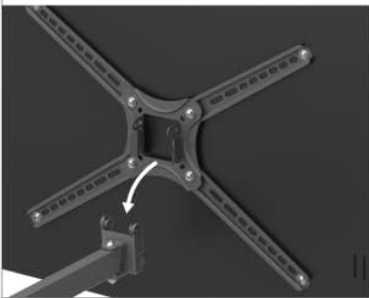
1 Connect the TV plate to the back of the TV



2 Install the bracket on the wall




3 Snap the TV onto the bracket



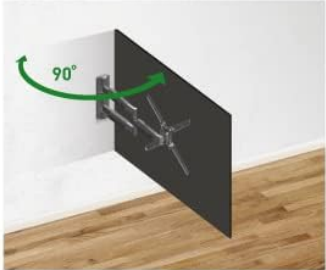
Determine your screen's maximum swivel angle

The secret for the ultimate viewing experience: "line of sight" is perpendicular (90°) to the screen



Wide range of viewing angles for various sitting positions

Allows 63" screens to swivel 90°



Great for corner installation




Figure 1: Essential tools for mounting.

SPECIFICATIONS

Feature	Detail
Model Number	BM343XL2

Screen Size Compatibility	13 - 65 inches
Maximum Weight Capacity	79 lbs (36 kg)
VESA Compatibility	75x75, 100x100, 100x200, 200x100, 200x200, 300x300, 300x400, 400x200, 400x300, 400x400 mm (and non-VESA up to 400x400 mm)
Distance from Wall (Min-Max)	2.8 inches (7 cm) - 30 inches (76 cm)
Tilt Range	-5° to +15°
Swivel Range	180° (near screen connection plate)
Rotation/Fold	180° (near wall), 360° (fold)
Leveling Adjustment	±5°
Material	Metal



Figure 2: Detailed product specifications and movement ranges.

INSTALLATION GUIDE

Follow these steps carefully for a secure and stable installation. It is highly recommended to have a second person assist during certain steps, especially when mounting the TV.

Step 1: Attach Adapters to TV

Connect the VESA adapters to the rear side of your TV using the appropriate screws from the hardware kit. Ensure the adapters are securely fastened and aligned with your TV's VESA pattern. The patented ball and socket mechanism allows the four adapters to move in two dimensions, accommodating various screen types including flat, curved, and those with unique back structures.

Fits various screen types



Patent No.

USA – 10,145,503

China – ZL 2015 2 0838239.6

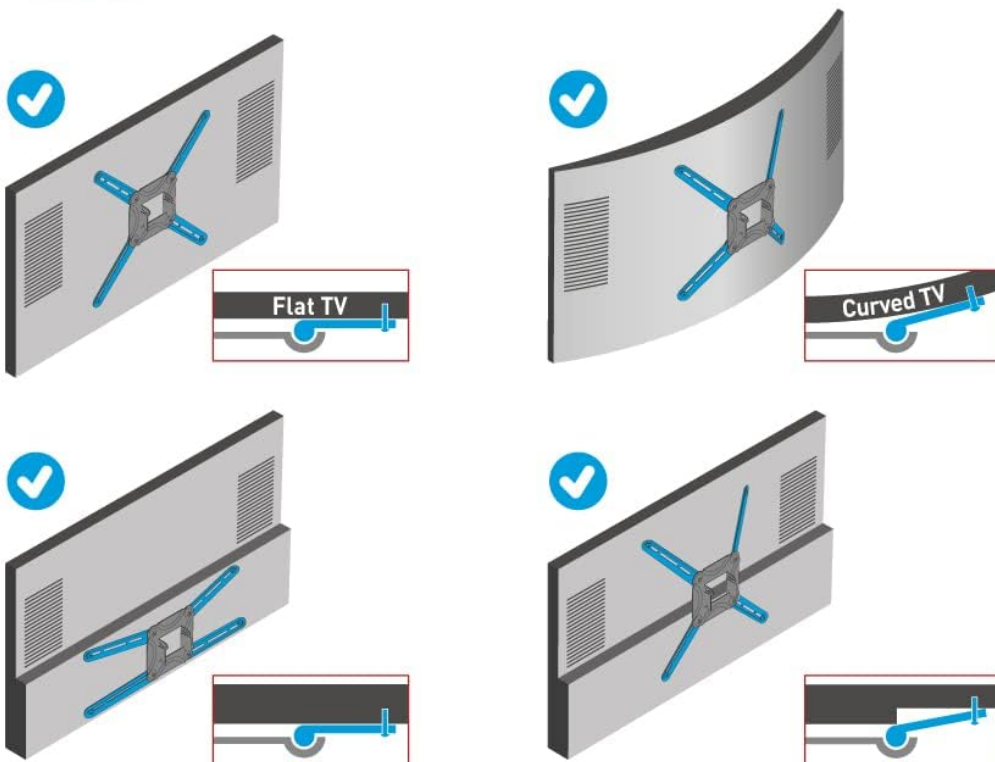
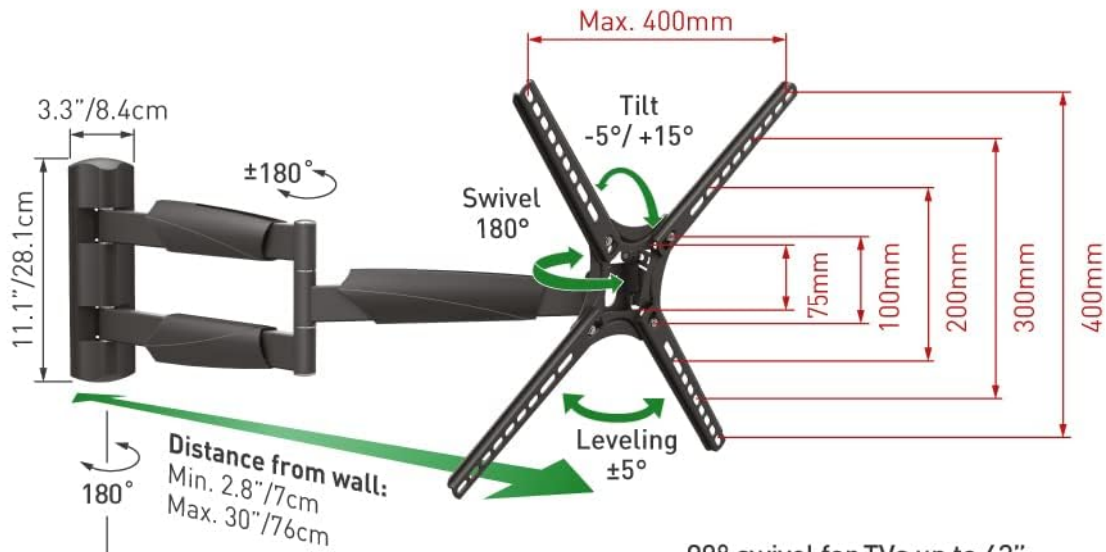


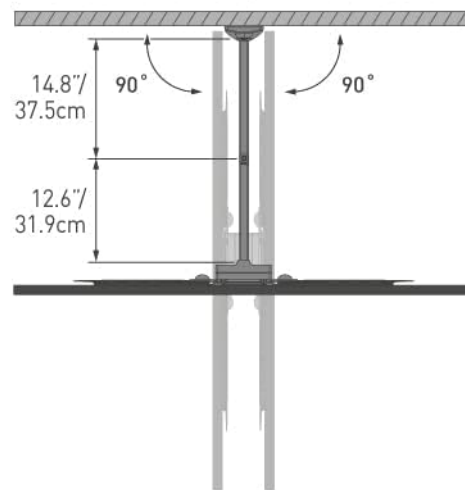
Figure 3: Adapters designed to fit various screen types.

Specifications

Backscreen connection 75x75 – 600X400 VESA and non VESA



90° swivel for TVs up to 63" *for screen width up to 55.9" / 142cm



All rights reserved. Specifications and colors are subject to change without prior notice, and may differ slightly from what is shown. Actual product may vary due to constant product enhancement. Also compatible with smaller or larger screen sizes, where their specifications comply to the mount's loading capacity and VESA back hole pattern.

Figure 4: Backscreen connection positioning options.

Step 2: Install the Wall Bracket

Determine the optimal mounting location on your wall. This mount is compatible with drywall with wood studs, concrete blocks, and concrete walls. It is NOT suitable for drywall/gypsum/plaster without wood studs.

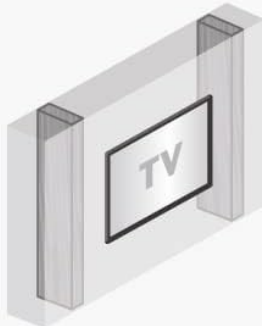
- Use a stud finder to locate the center of a wood stud if mounting on drywall.
- Mark the drilling points using the provided template or by holding the wall plate against the wall and marking through the holes.
- Drill pilot holes according to the recommended drill bit size for your wall type (refer to "Tools Required" section).
- Securely attach the wall bracket to the wall using the Barkan wall screws and anchors from the hardware kit. Ensure it is level before fully tightening.



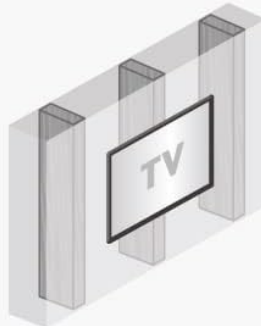
Included in the packaging are **assembly instructions, warnings and safety instructions**. If they are missing, you are required to download them from our website and to assemble precisely according to them.

Wall compatibility

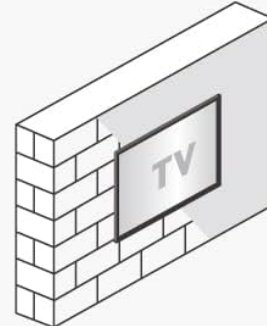
 Drywall/
gypsum/
plaster



 Drywall with
wood studs



 Concrete blocks/
concrete wall



Required

Drill



1/4" – 6mm
3/8" – 10mm



5/32" – 4mm



Level



Safety glasses



Stud finder

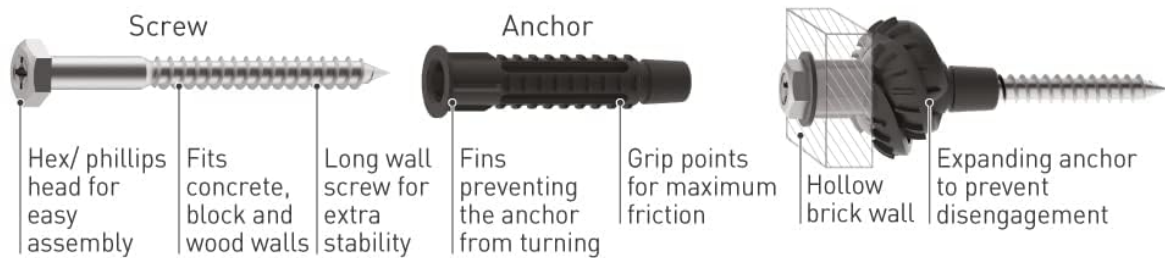


Figure 5: Wall compatibility guidelines.

Quality & Safety Above All It all starts from the smallest detail...

High quality hardware

Where safety and quality are top priorities, we have developed our own unique wall anchor and screws



Barkan's Hardware Kit

Divided and marked hardware kit for easy orientation throughout the assembly process



TV screws compatible with 90% of popular TVs

If your screen requires different screen-connection screws, please purchase them in your local hardware store or contact us at sales.usa@barkanmounts.com

Figure 6: Hardware Kit components.

Step 3: Snap the TV onto the Bracket

With assistance, carefully lift the TV (with adapters attached) and align the adapters with the wall bracket. Gently snap the TV onto the bracket, ensuring it is securely seated. Verify the Fall Proof system is engaged to prevent accidental disengagement.

Greatest value for money



Figure 7: Easy assembly steps and key features.

OPERATING AND ADJUSTING YOUR MOUNT

Your Barkan Full Motion TV Wall Mount offers extensive adjustability for optimal viewing angles:

- **Tilt:** Adjust the screen from -5° (downward) to +15° (upward) to reduce glare or achieve a comfortable viewing angle. This is a tool-free adjustment.
- **Swivel:** The mount features 3 pivots allowing for significant movement. Swivel the screen connection plate up to 180° to direct the TV towards different areas of the room.
- **Extension:** The mount can extend from a minimum distance of 2.8 inches (7 cm) from the wall to a maximum of 30 inches (76 cm), providing flexibility for various viewing positions and corner installations.
- **Leveling:** Fine-tune the screen's horizontal alignment with a $\pm 5^\circ$ leveling adjustment.
- **Cable Management:** Utilize the integrated cable management features to route and conceal cables for a neat appearance.

To adjust, gently push or pull the TV to the desired angle. The mount is designed for smooth movement. For optimal viewing, ensure your "line of sight" is perpendicular (90°) to the screen.

Full Motion

PREMIUM

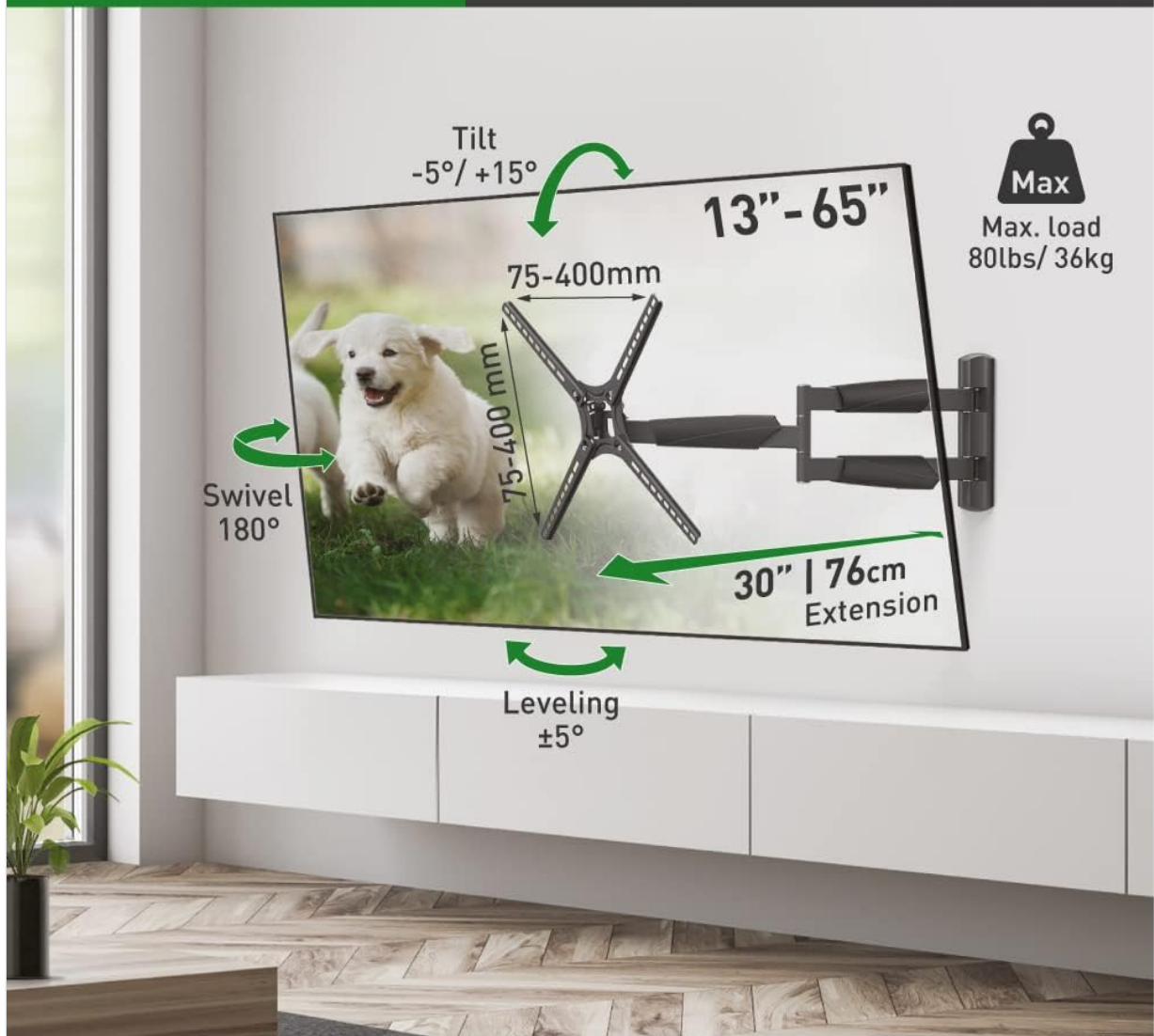


Figure 8: Full motion capabilities of the mount.

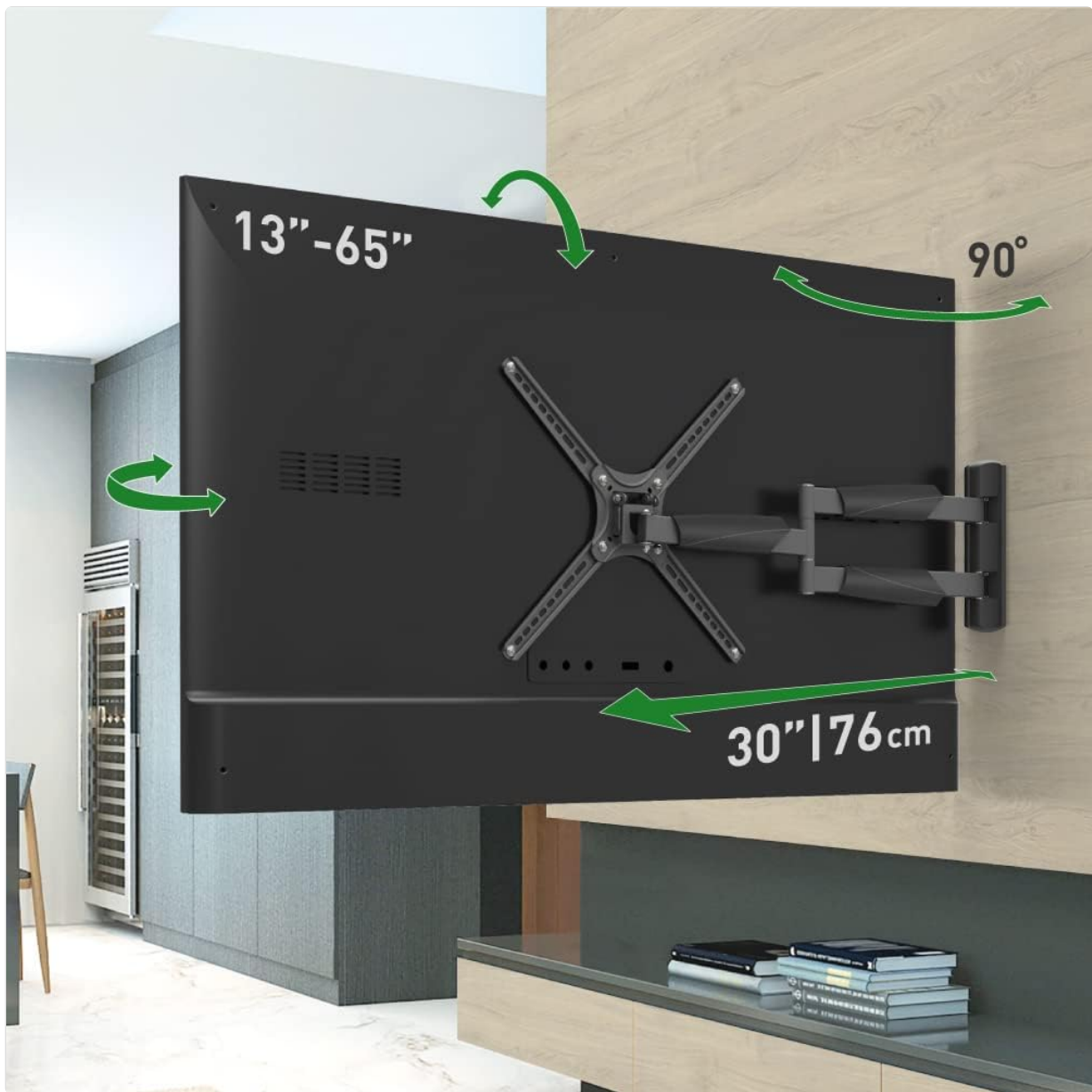


Figure 9: Demonstrating the mount's range of motion.

MAINTENANCE

To ensure the longevity and safe operation of your Barkan TV wall mount, perform the following maintenance checks periodically:

- **Check Connections:** Regularly inspect all screws and bolts to ensure they remain tight. Over time, vibrations or frequent adjustments may cause them to loosen.
- **Clean Surfaces:** Wipe down the mount with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish.
- **Inspect for Damage:** Periodically check the mount for any signs of wear, cracks, or damage. If any damage is observed, discontinue use and contact customer support.
- **Lubrication:** The articulating arms are designed for smooth movement. If you notice stiffness, a small amount of silicone-based lubricant can be applied to the pivot points, avoiding contact with electrical components.

TROUBLESHOOTING

This section addresses common issues you might encounter with your TV wall mount.

Problem	Possible Cause	Solution
TV is not level after installation.	Wall bracket not perfectly level, or minor adjustment needed.	Use the $\pm 5^\circ$ leveling adjustment feature to fine-tune the screen's horizontal position. Re-check the wall bracket's level if necessary.
Mount feels stiff or difficult to move.	New mount stiffness, or lack of lubrication.	The mount may be stiff initially; repeated movement will loosen it. If persistent, apply a small amount of silicone-based lubricant to the pivot points.
TV appears to be tilting downwards unexpectedly.	Tilt mechanism not fully tightened or adjusted.	Ensure the tilt adjustment mechanism is securely tightened after setting the desired angle. Verify the TV weight does not exceed the maximum capacity.
Missing parts from hardware kit.	Packaging error.	Do not proceed with installation. Contact Barkan customer support immediately for replacement parts.

WARRANTY AND SUPPORT

Barkan Mounts has been developing and manufacturing high-quality TV mounts since 1988. All Barkan products come with a long warranty and are tested using 3 to 4 times their declared weight limit, ensuring reliability and safety.


For customer support, technical assistance, or warranty inquiries, please visit the official Barkan website or contact them directly:

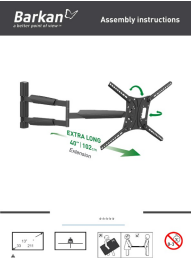

- **Website:** www.barkanmounts.com/support
- **Email:** sales.usa@barkanmounts.com

The customer service experts are available every day of the week to assist you with any questions, manuals, FAQs, or video demonstrations.

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Related Documents

	<p>Barkan BM343XL Extra Long TV Wall Mount Assembly Instructions and User Manual</p> <p>Comprehensive assembly instructions and user manual for the Barkan BM343XL Extra Long TV Wall Mount. This guide covers installation, safety precautions, and usage details for mounting TVs from 13" to 65".</p>
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 <p>The image shows the cover of the assembly instructions for the Barkan Extra Long TV Wall Mount. It features a black and white photograph of the mount's long horizontal arm and a small inset diagram showing the mount's flexibility. The text 'Barkan' is at the top left, and 'Assembly Instructions' is at the top right. Below the main image, there are several small icons representing different steps or warnings.</p>	<p>Barkan Extra Long TV Wall Mount Installation Guide</p> <p>Comprehensive instructions for installing the Barkan Extra Long TV Wall Mount, covering safety precautions, parts identification, required tools, and step-by-step assembly for various TV sizes and wall types.</p>
 <p>The image shows the cover of the assembly instructions and user manual for the Barkan Mobile TV Cart (SW310H). It features a black and white photograph of the mobile cart with a TV mounted on it. The text 'Barkan' is at the top left, and 'Assembly Instructions and User Manual' is at the top right. Below the main image, there are several small icons representing different steps or warnings.</p>	<p>Barkan Mobile TV Cart SW310H Assembly Instructions and User Manual</p> <p>Comprehensive assembly instructions and user manual for the Barkan Mobile TV Cart (SW310H). Learn how to safely install and use your TV mount, including parts identification, hardware details, and step-by-step assembly guidance for TVs from 13 to 65 inches.</p>
 <p>The image shows the cover of the assembly instructions for the Barkan 3400LW.W Long TV Wall Mount. It features a black and white photograph of the mount's long horizontal arm and a small inset diagram showing the mount's flexibility. The text 'tehnotska' is at the top left, and 'Uputstvo za montažu i instalaciju (EN)' is at the top right. Below the main image, there are several small icons representing different steps or warnings.</p>	<p>Barkan 3400LW.W Long TV Wall Mount Assembly Instructions</p> <p>Comprehensive assembly and user manual for the Barkan 3400LW.W Long TV Wall Mount, detailing installation steps, required tools, and parts.</p>