Electric Wall/Ceiling Projection Screen
Saker Series
User's Guide

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 EliteProAV™. 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 at (877) 511-1211 Ext. 604.

- 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 overheat.
- 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.

WARNING

The Screen's **Top Black Drop** is already set to its maximum drop distance. There is **NO** extra top black drop in the roller. Please be aware of this as it will void the limitation of your warranty.

Individual modifications to this product are prohibited and will void the warranty with the manufacturer. Please contact EliteProAV™ Customer Service for any questions.

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.**
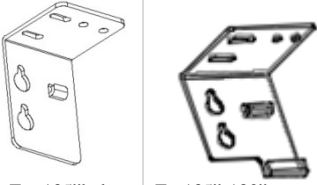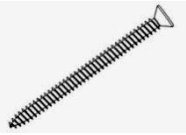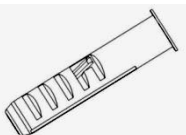- ✓ **Connect the equipment into a different power outlet other than the device.**
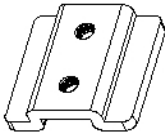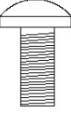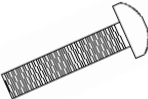
Pre-Installation
1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

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 lo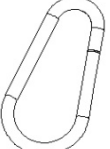ose or fall. Included mounting screws are complimentary and may not be appropriate for all mounting surfaces. Use appropriate anchors to safely secure the screen to the mounting surface or consult with a professional installer.

Hardware Parts List

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

| A. Wall/Ceiling mount bracket x2	B. M5x60 Screw x4	C. M12 Dry-wall anchor x4	D. Bracket connector x2	E. M5x11 Bolt Screw x4
For 135"below For135"-180"				
F. M5x25MM round head cross screws x2	**G. M5x30MM eyebolt screw & M5 nut x2**	**H. Hidden wall bracket x2**	**I. R18xR6x1 washer x4**	**J. Snap link x2**

Installation Instructions

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

A. Wall Mount

I.Flush mount with wall/ceiling brackets (fixed position)

M5x11 Bolt Screw

Bracket connector (D)

Wall/Ceiling Mount Bracket (A)
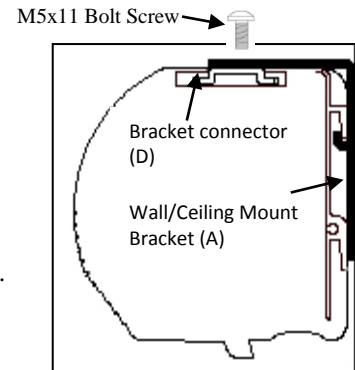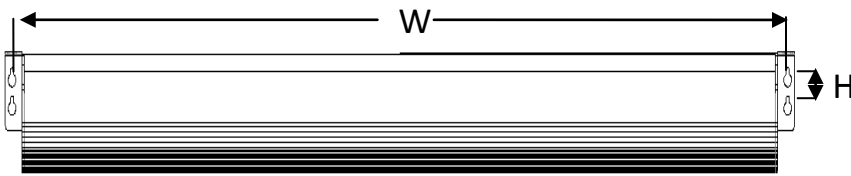
1. Begin by sliding the *bracket connector* (D) all the way to each end of the housing.
2. Then attach it to the *wall/ceiling mount bracket* (A) with the *M5x11bolt screw* (E).
3. Measure and mark the (WxH) distance between the two holes on each bracket.
4. Drill a hole for each screw hole on the marked areas.
5. Insert a *dry-wall anchor* (C) into the wall.
6. Insert a*M5x60 Screw* (B) in each *dry-wall anchor* (C) and screw it in leaving about 1/8" of an inch.
7. Hang the screen by aligning the end cap holes to the *M5x60 screws* (B).

Wall

M5x60 screws (b)

Dry-wall anchors (C)
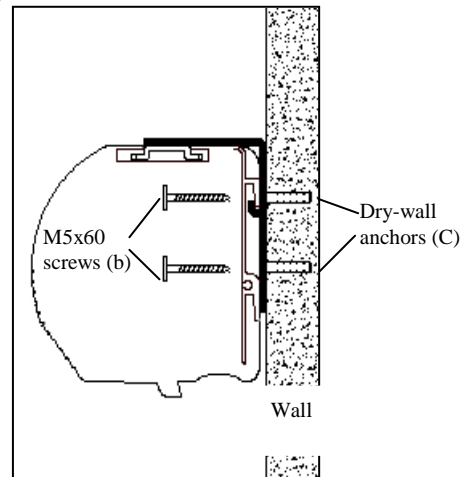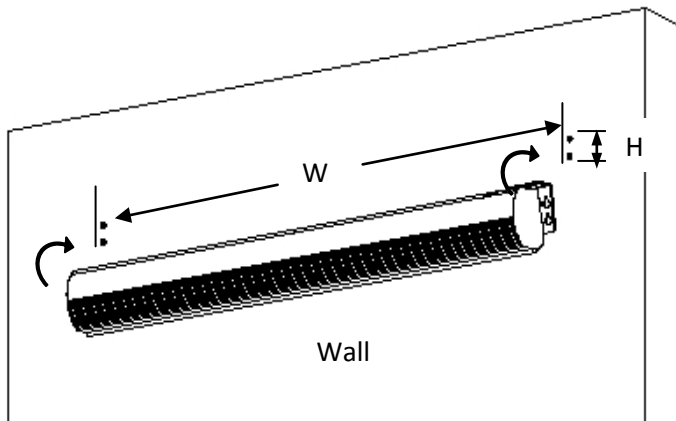
Wall

II. Flush hidden mount (movable position)

This mount method allows the screen to slide horizontally.

Front view of bracket (h)

Side view of bracket (h)
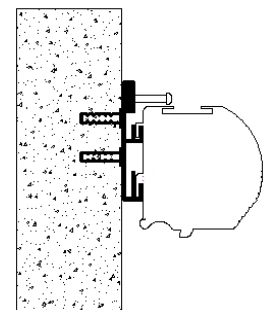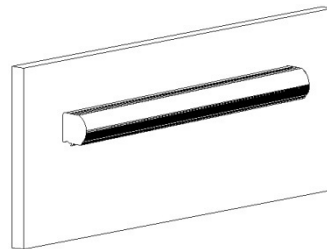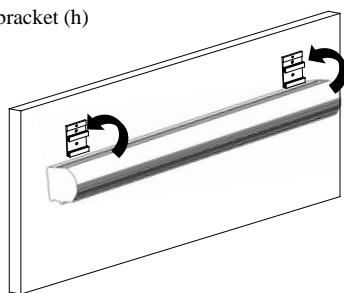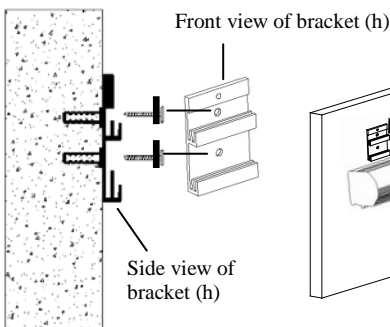
1. Determine where the screen will be installed. Then, measure and mark the distance between the top and bottom screw holes from each *hidden wall mount bracket* (H).
2. Drill a hole on all marked areas and install the brackets with the *dry-wall anchor*(C), *M5x60 screw* (B), and a *washer* (I). Make sure both brackets are properly leveled.
3. Hang the screen by placing the *downward* "catch" located on the back over the brackets *upper* "catch".
4. After making sure the screen is secured, you can slide it left / right to properly center it in position.
5. Lastly, screw the *M5 screw* (F) into the upper hole of the bracket to add additional support for the screen.

B. Ceiling Mount

I. Ceiling Mount (fixed position on end caps)

Dry-wall anchors (C)

Ceiling

Washer (I)

M5x60 screw (B)

W

H
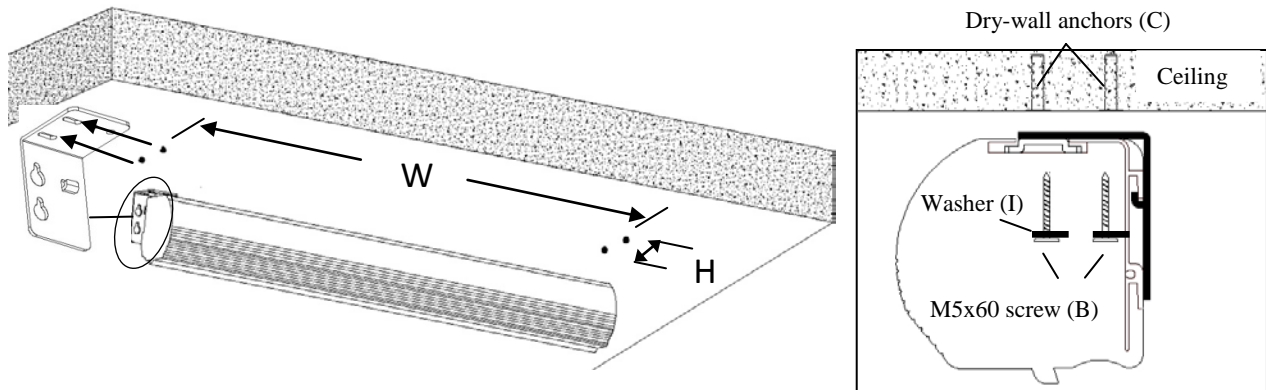
NOTE: The brackets do not slide. They are designed to attach the end caps only.

1. Attach the *Wall/Ceiling mount bracket (A)* to the *Bracket connector (D)* located on top of the screen's housing (preinstalled).
2. Determine where the screen will be installed. Then, measure and mark the distance between the (WxH) locations.
3. Drill a hole on all marked areas and insert a *dry-wall anchor*(C).
4. Secure the screen by inserting the *M5x60 screw* (B) and a *washer* (I) thru the *wall/ceiling mount brackets* (A).
Two or more people are required while one holds the screen in place.

II. Suspended

1. Screw the *eyebolt* (G) on the *bracket connector* (D).
2. Attach the *snap link* (J) through the *eyebolt (G)* and connect it to an eyebolt screw (not included) rated for the screen's weight.
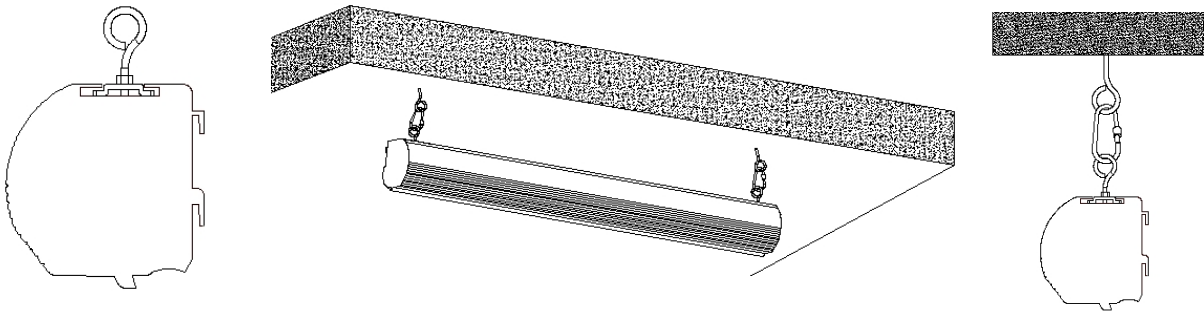
Saker Series | Controls and Accessories

A. IR Remote	B. RF Remote	C. Wall switch control box	D. 5-12 volt trigger cable
			 Red 12V Green 0V
E. IR extended "eye" receiver	**F. Wireless 5-12v trigger cable**	**G. AAA batteries**	**H. Bubble leveler**

Screen operation

Electric Current: Depending upon region, your EliteProAV™ screen will operate on 100v, 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's has power, you'll be able to control it using any of the 6 methods described below.

6 ways to control your Saker

1. *IR remote control* (**Item A, Fig 1**): The Infrared functions by direct line of sight contact with a beam range of 30 feet. Aim the IR remote at the circular window located on the left side of the screen.
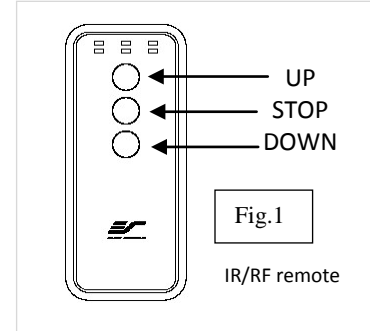
2. *IR "Eye" Receiver* (**Item E, Fig 2**): The IR "Eye" Receiver plugs directly into the screen's RJ-45 input to present a low profile line-of-sight control option for your IR remote control even in a recessed ceiling installation.
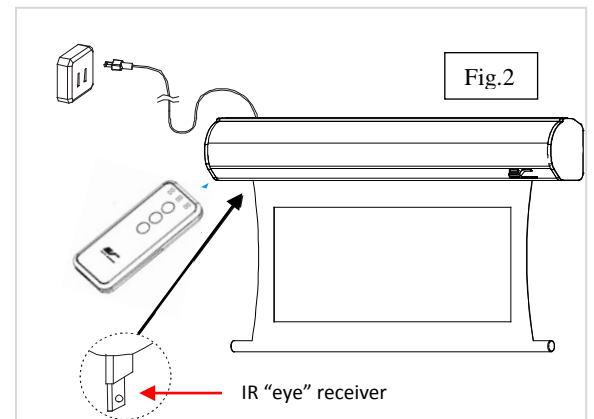
3. *RF Remote Control* (**Item B**): The radio waves eliminate the need for a direct line of sight with a range of 100 feet.

UP
STOP
DOWN

Fig.1

IR/RF remote

4. *3-Way Wall Switch* (**Item C, Fig 3**): The 3-way wall switch is a wall mount control box with an up/stop/down button and plugs directly into the screen's RJ-45 input.

Fig.2

IR "eye" receiver

Fig.3

3 Way Wall Switch
(does not have IR sensor)
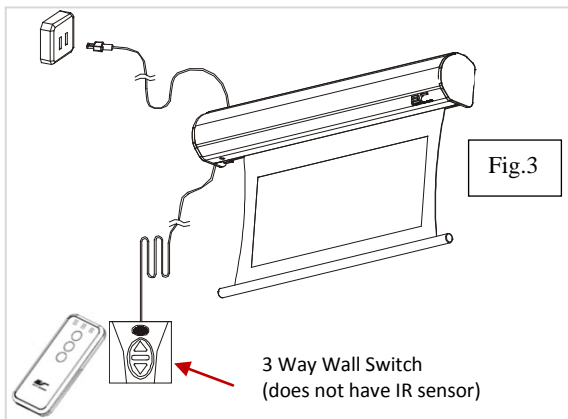
5. *5-12 volt trigger* **(Item D, Fig 4):** The built-in 5-12V trigger input allows your screen to synchronize its drop & rise with the projector's power cycle. The screen deploys when the projector powers up and will retract when the projector powers down. The 5-12 volt RJ45 cable connects to your projector's trigger output via a separate cable that may or may not be provided by the manufacturer of the projector. The trigger feature will not work without an output cable from the projector, but it can be tested by connecting the Red (+) and Green (-) cable to a 9-volt battery.

3 prong power cord

RJ45 Input

Fig.4

5-12 volt trigger cable
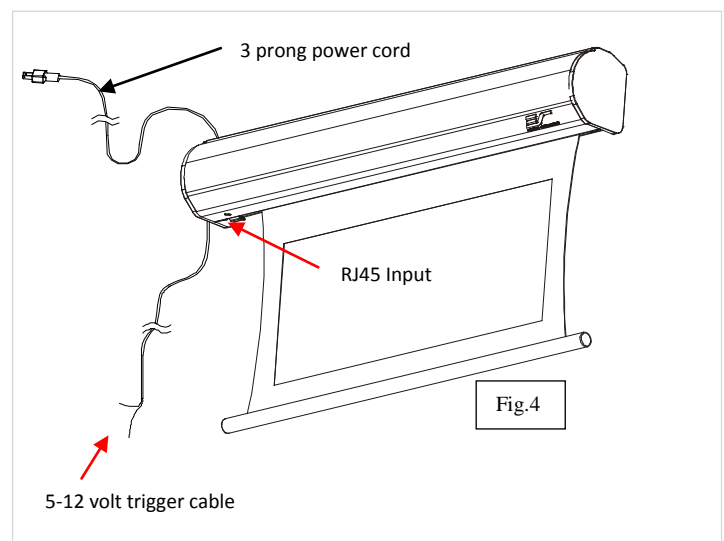
6. _Wireless 5-12 volt trigger_ **(Item F, Fig 5)**: The RF remote control serves as a dual purpose, independently as a handheld remote control, or in conjunction with the Wireless 5-12 volt trigger cable. The radio frequency technology can be programmed to send a wireless signal to synchronize its drop & rise with the projector's power cycle.

Here's how to set up your Wireless 5-12 volt trigger | Synchronization Instructions
Step1: Connect one end of the 3.5 mm wireless 5-12 volt trigger cable to the RF remote.
Step 2: Connect the other 3.5 mm end of the wireless 5-12 volt trigger cable to your projector
Step 3: Make sure to unplug your screen from the power outlet
Step 4: Hold the UP button on your RF remote
Step 5: While holding the UP button, plug the screen back to the power outlet
Step 6: Wait 5 seconds and then release the UP button
Step 7: Your 5-12V wireless trigger should now be activated with your screen and ready to be used and able to control your screen with your projector's power cycle
Repeat the steps again if not successful.
(Please be aware, the projector on/off cycle may take longer to fully activate. It usually takes around 20-30seconds for full off and on cycle each time)

Fig 5
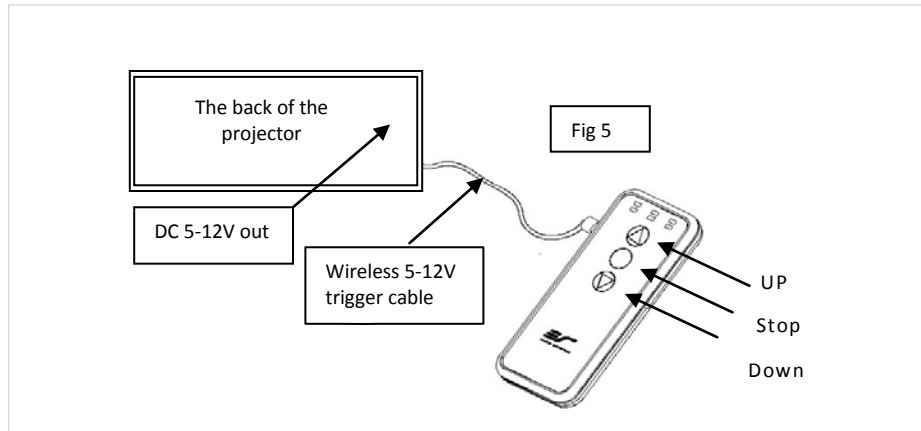
Dimensions Table

Models Numbers	A	A1	A2	A3	A4	A5	A6	A7	B	B1	B2	B3	B4	B5	C	C1	C2	C3
Unit: Inches																		
SK84XHW-E24	85.7	73.2	85.0	83.9	52.4	76.2	79.4	1.5	71.8	41.2	67.6	24.0	2.4	3.9	4.0	4.3	1.4	0.9
SK100XHW-E24	100.7	87.2	99.9	98.9	67.4	91.1	94.3	2.0	79.6	49.0	75.4	24.0	2.4	3.9	4.0	4.3	1.4	0.9
SK110XHW-E24	109.6	95.9	108.8	107.8	76.3	99.8	103.0	2.0	84.6	53.9	80.3	24.0	2.4	3.9	4.0	4.3	1.4	0.9
SK120XHW-E20	118.1	104.6	117.4	116.3	84.8	108.5	111.7	2.0	85.4	58.8	81.2	20.0	2.4	3.9	4.0	4.3	1.4	0.9
SK135XHW-E18	131.2	117.7	130.4	129.4	97.9	121.6	124.8	2.0	90.8	66.2	86.5	18.0	2.4	3.9	4.0	4.3	1.4	0.9
SK150XHW-E12	144.3	130.7	143.5	142.5	111.0	134.7	137.8	2.0	92.2	73.5	87.9	12.0	2.4	3.9	4.0	4.3	1.4	0.9
SK100NXW-E24	98.3	84.8	97.5	96.5	65.0	88.8	92.0	2.0	83.6	53.0	79.4	24.0	2.4	3.9	4.0	4.3	1.4	0.9
SK120NXW-E12	115.3	101.8	114.5	113.5	82.0	105.7	108.9	2.0	82.2	63.6	78.0	12.0	2.4	3.9	4.0	4.3	1.4	0.9
SK180XVW2-E4	158.0	144.0	156.6	155.2	123.7	148.0	151.1	2.0	119.3	108.0	114.4	4.0	2.4	4.6	4.6	4.9	1.4	0.9
SK180XHW2-E12	171.1	156.9	169.6	168.3	136.8	160.8	164.0	2.0	107.6	88.3	102.6	12.0	2.4	4.6	4.6	4.9	1.4	0.9

Models Numbers	A	A1	A2	A3	A4	A5	A6	A7	B	B1	B2	B3	B4	B5	C	C1	C2	C3
Unit: mm																		
SK84XHW-E24	2178	1860	2158	2132	1332	1936	2016	38	1824	1046	1716	610	60	100	102	108	35	23
SK100XHW-E24	2557	2214	2537	2511	1711	2314	2394	50	2023	1245	1915	610	60	100	102	108	35	23
SK110XHW-E24	2783	2435	2763	2737	1937	2535	2615	50	2148	1370	2040	610	60	100	102	108	35	23
SK120XHW-E20	3001	2657	2981	2955	2155	2757	2837	50	2170	1494	2062	508	60	100	102	108	35	23
SK135XHW-E18	3332	2989	3312	3286	2486	3089	3169	50	2306	1681	2198	457	60	100	102	108	35	23
SK150XHW-E12	3666	3321	3646	3620	2820	3421	3501	50	2341	1868	2233	305	60	100	102	108	35	23
SK100NXW-E24	2497	2154	2477	2451	1651	2256	2336	51	2124	1346	2016	610	60	100	102	108	35	23
SK120NXW-E12	2929	2585	2909	2883	2083	2685	2765	50	2088	1615	1980	305	60	100	102	108	35	23
SK180XVW2-E4	4013	3658	3977	3943	3143	3758	3838	50	3030	2743	2905	102	60	118	118	125	35	23
SK180XHW2-E12	4345	3985	4309	4275	3475	4085	4165	50	2732	2242	2607	305	60	118	118	125	35	23

Note: Data Error: ±1"

For the following videos please visit:

Flush Wall Mount Installation video – www.elitescreens.com/sakerflushwallinstall
Flush Ceiling Mount Installation video -www.elitescreens.com/sakerflushceilinginstall
Wall Installation Video - www.elitescreens.com/sakertabwallinstall
Ceiling Installation Video – www.elitescreens.com/sakertabceilinginstall
Wireless Trigger Demonstration Video - www.elitescreens.com/sakertabtriggerdemo

For more information, support or your local EliteProAV™ contact,
please visit www.eliteproav.com