

Kestrel Stage NTC Series

Section 1: Screen Design

1.1 What is it?

The Kestrel Stage NTC Series is a portable large venue, free-standing projector screen. It is ideal for Rental & Staging or other commercial (ProAV) applications where a mobile projection screen would be required.

1.2 How does it work?

This series, unlike the Kestrel Stage Series, does not include the detachable matching ATA case and skirt.

Section 2: Product Features

2.1 Characteristics

Screen Material

- GREENGUARD® Certified MaxWhite® Fiberglass (FG) with 1.1 Gain
- 180° wide viewing angle
- Active 3D, 4K Ultra HD, and HDR ready
- Not compatible with Ultra/Short-throw Projectors
- Border masking frames the projection surface
- Material has black-backing
- Available in the following diagonal sizes:
 - 110" and 131" in 4:3 format
 - 100", 120" and 150" in 16:9 format
 - 125" and 154" in 16:10 format

Design and Installation

- Rises and lowers by our motorized precision "scissor-backed" cross spring risers
- Wheeled-design includes handles on each side for easy transport and handling

Control System

- In-line UP/STOP/DOWN control switch
- Includes IR and RF remotes for long distance control
- Standard three prong power connection

Quality and Reliability

- Tubular motor allows swift operation with a superior weight tolerance and operational lifespan
- Flame Resistant: Complies with NFPA 701 Standards
- GREENGUARD® and GREENGUARD® Gold Certified
- 5-year manufacturer's warranty

2.2 Certifications



2.3 Model Numbers

Model Number	Nominal Diagonal	Aspect Ratio	Viewing Height (in)	Viewing Width (in)	Screen Material	Gain	Case Color	N.W. (lbs)	G.W. (lbs)	Packaging Dimensions (LxWxH)
FE100H-NTC	100"	16:9	65.3	87.2	MaxWhite® FG	1.1	Black/Silver	141.8	178.8	97.2"11.0"x7.9"
FE120H-NTC	120"	16:9	78.5	104.6	MaxWhite® FG	1.1	Black/Silver	174.7	209.3	164.1"x12.6"x5.9"
FE150H-NTC	150"	16:9	49.0	87.1	MaxWhite® FG	1.1	Black/Silver	152.8	181.5	97.6"11.0"x7.9"
FE110V-NTC	110"	4:3	58.8	104.6	MaxWhite® FG	1.1	Black/Silver	166.9	207.7	118.5"x12.6"x5.9"
FE131V-NTC	131"	4:3	73.5	130.7	MaxWhite® FG	1.1	Black/Silver	188.1	230.5	142.5"11.0"x7.9"
FE125X-NTC	125"	16:10	66.0	106.0	MaxWhite® FG	1.1	Black/Silver	163.8	202.6	118.1"11.0"x7.9"
FE154X-NTC	154"	16:10	81.6	130.6	MaxWhite® FG	1.1	Black/Silver	190.3	231.6	142.5"11.0"x7.9"

Section 3: Screen Material Specifications

3.1 Characteristics

MaxWhite® Fiberglass (FG) is fiberglass backed for added stiffness which provides the flattest possible non-tensioned screen surface with universal applications. This material provides wide viewing uniform diffusion while giving precise definition, color reproduction and black & white contrast. The screen surface has a black-backing to eliminate light penetration, is mildew resistant and washable with mild soap and water.



*** Manufacturer tip: This is an enhanced matte white product for higher end DLP/LCD projectors suitable for commercial and residential presentations.**

Features & Benefits

- Multi-layer weave with textured surface
- Fiberglass backing with black backing
- Gain: 1.1
- View Angle: 180° (90° ± LR)
- Not compatible with Ultra/Short-throw Projectors
- Mildew Resistant

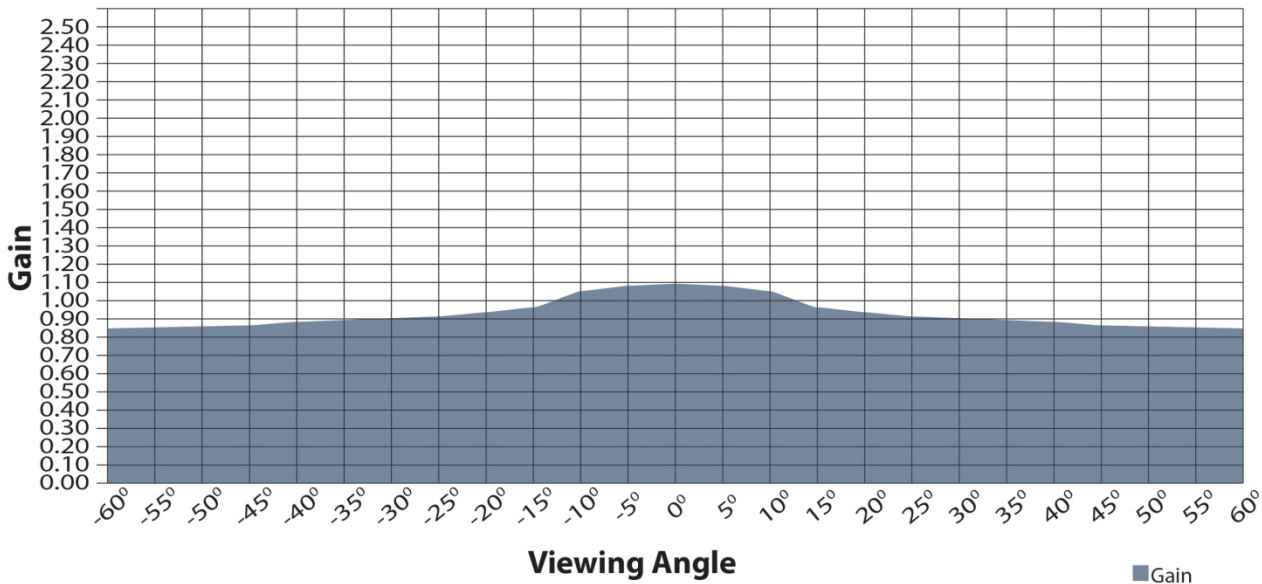
- Active 3D, 4K Ultra HD, and HDR ready
- Surface can be cleaned with mild soap and water
- Flame Retardant: Complies with NFPA 701 Standards
- GREENGUARD® and GREENGUARD® Gold Certified | UL 2818

Specifications	
Thickness	0.36 mm (0.014")
Weight	350 g/m ²
Maximum Height	3.2 M (10 ft)
On-axis Gain	1.0
Half-Gain Angle	Does not reach half gain

3.2 Gain and Viewing Angle



On axis 0° Gain: 1.1
Viewing Cone: 180°

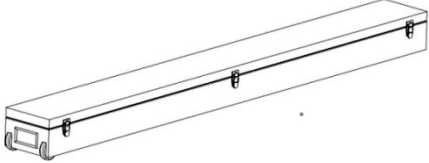
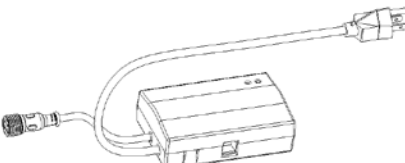


Section 4: Execution

4.1 Product Description

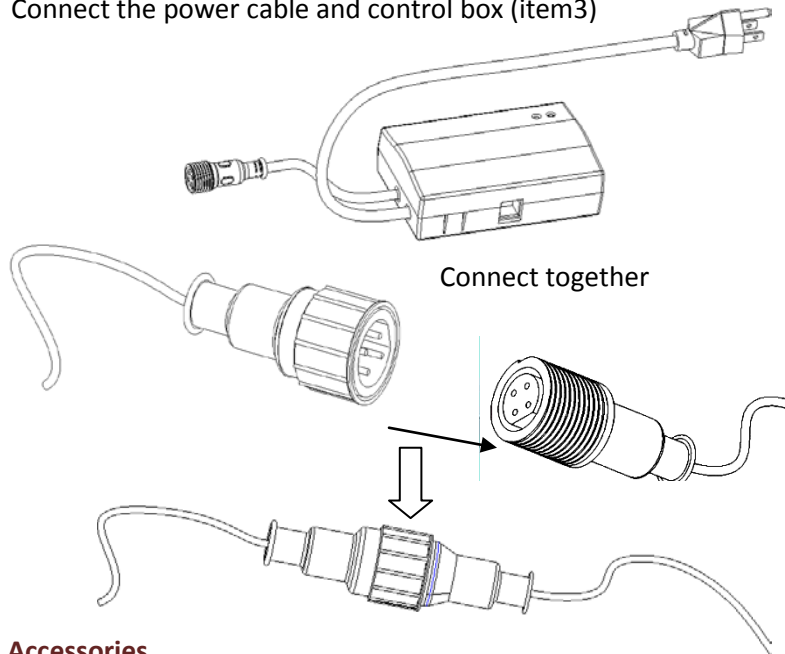
The Kestrel Stage Series is a portable electric floor rising front projection screen that is ideal for event applications used in Churches, hotels, schools, or other like venues.

4.2 Product Parts and Hardware







1. Kestrel Stage Motorized screen w/ travel case (main) X 1	2. Remote Control Wall Box X 1
	

4.3 Product Assembly and Operation

1. Connect the power cable and control box (item3)



4.4 Accessories

<p>A. IR Remote</p> 	<p>B. RF Remote</p> 	<p>C. 3-way Wall Switch</p> 
<p>D. 5-12 volt trigger cable</p>  <p>Red 12V Green 0V</p>	<p>E. IR extended "eye" receiver</p> 	<p>F. AAA batteries</p> 

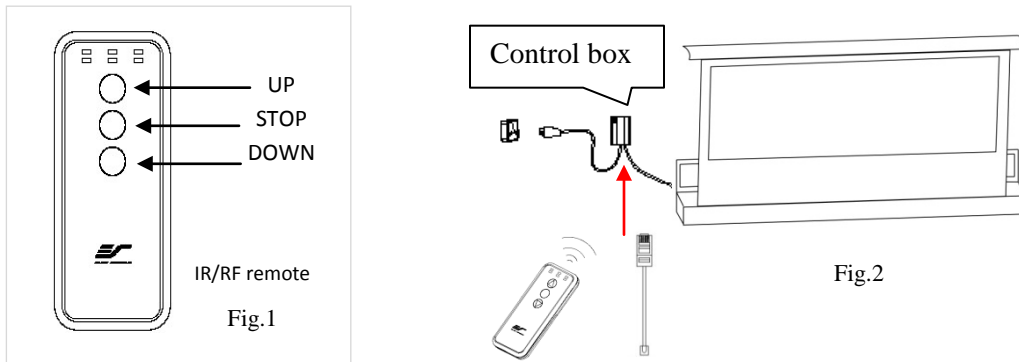
4.5 Screen Control System

Electric Current information: The screen operates on AC110V @ 60 Hz

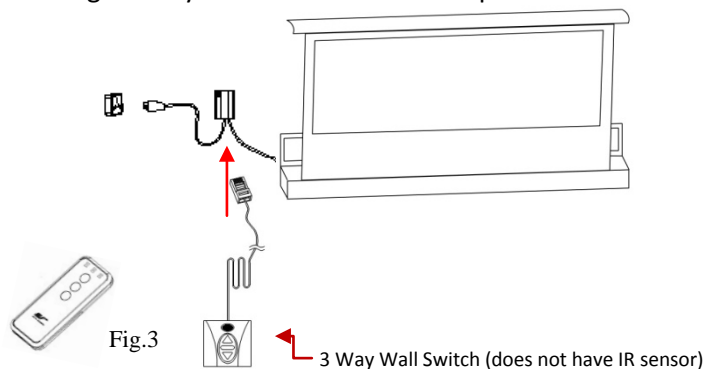
1. Plug the screen’s power cord into a power outlet.
2. Once the screen has power, you’ll be able to control it using any of the 4 methods described below.

4 Ways to Control your Kestrel Stage Series

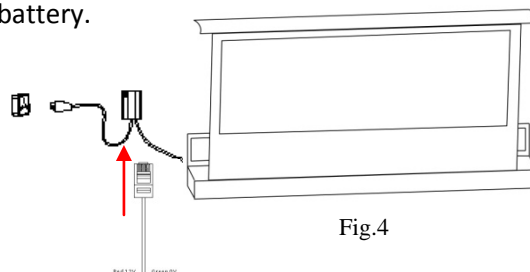
1. **IR remote control (Item A) and IR “Eye” Receiver (Item E):** The IR remote control (fig.1) requires line-of-sight to the IR sensor. The IR “eye” receiver must be connected to the Remote Control Wall box in order for the IR remote control to function. The IR “Eye” Receiver plugs directly into the screen’s RJ-45 input (fig.2).



2. **RF Remote Control (Item B):** The radio waves eliminate the need for a direct line of sight with a range of 100 feet.
3. **3-Way Wall Switch (Item C, Fig 3):** The 3-way wall switch manually controls the screens up/stop/down button by connecting directly into the screen’s RJ-45 port.



4. **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.

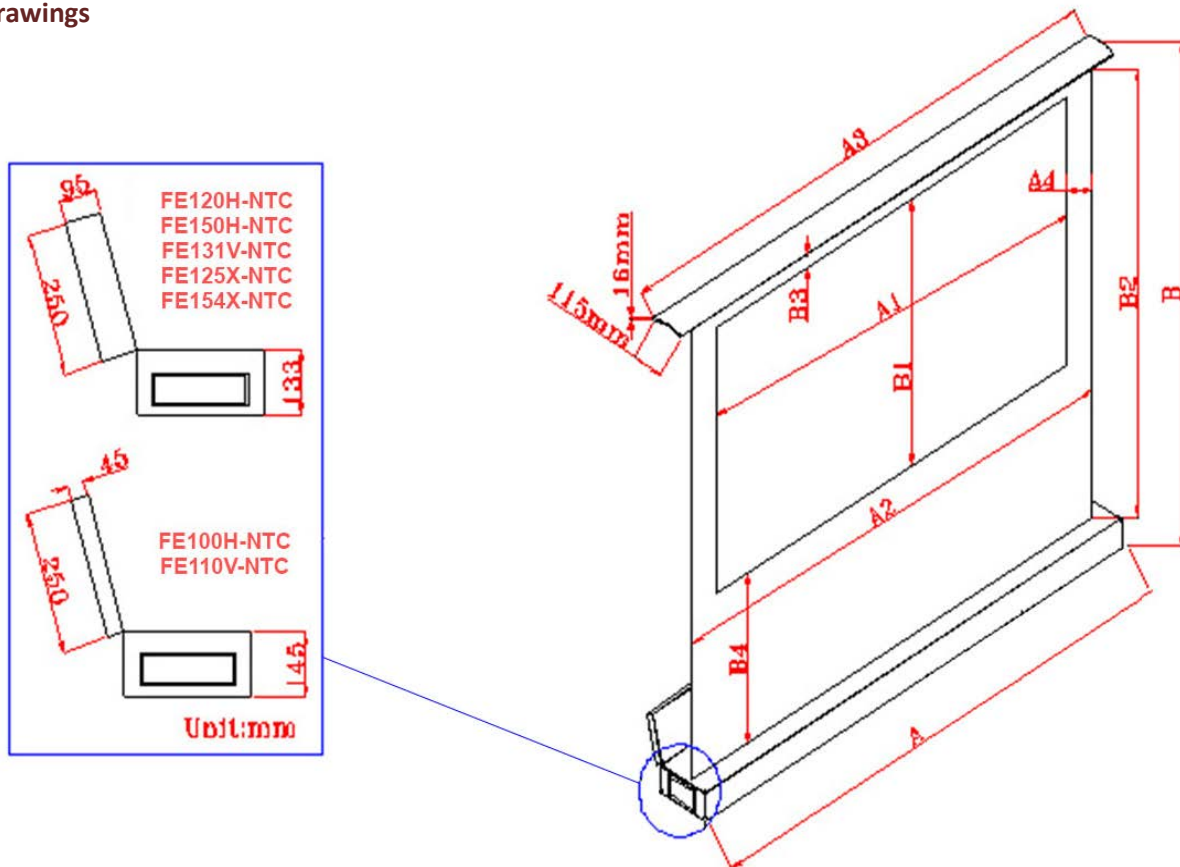


Section 5: Product Specifications

5.1 Dimensions

Model Number	Diag. Size	Aspect Ratio	(A)	(A1)	(A2)	(A3)	(A4)	(B)	(B1)	(B2)	(B3)	(B4)
Unit: Inches												
FE100H-NTC	100"	16:9	94.7	87.2	91.1	92.5	2.0	91.3	49.1	86.9	2.4	19.3
FE120H-NTC	120"	16:9	113.6	104.6	108.5	110.5	2.0	90.5	58.9	85.5	2.4	4.7
FE150H-NTC	150"	16:9	94.9	131.0	91.1	92.0	2.0	86.6	73.0	80.3	2.4	28.9
FE110V-NTC	110"	4:3	113.5	87.2	108.5	111.2	2.0	86.6	65.3	80.7	2.4	19.5
FE131V-NTC	131"	4:3	139.8	104.6	134.7	137.2	2.0	101.0	78.5	95.1	2.4	19.2
FE125X-NTC	125"	16:10	115.0	106.0	109.9	111.2	2.0	92.7	66.0	87.8	2.4	19.4
FE154X-NTC	154"	16:10	139.8	131.0	134.5	137.2	2.0	103.1	82.0	98.8	2.4	14.8
Unit: mm												
FE100H-NTC	100"	16:9	2405	2215	2314	2350	50	2319	1247	2207	60	490
FE120H-NTC	120"	16:9	2885	2657	2756	2807	50	2299	1496	2172	60	119
FE150H-NTC	150"	16:9	2410	3327	2314	2337	50	2200	1854	2040	60	734
FE110V-NTC	110"	4:3	2883	2215	2756	2824	50	2200	1659	2050	60	495
FE131V-NTC	131"	4:3	3550	2657	3421	3485	50	2565	1994	2415	60	487
FE125X-NTC	125"	16:10	2921	2692	2791	2824	50	2355	1676	2230	60	493
FE154X-NTC	154"	16:10	3550	3327	3417	3485	50	2620	2083	2510	60	377

5.2 Drawings



5.3 Pictures

Kestrel Stage NTC Series Front View



Back View



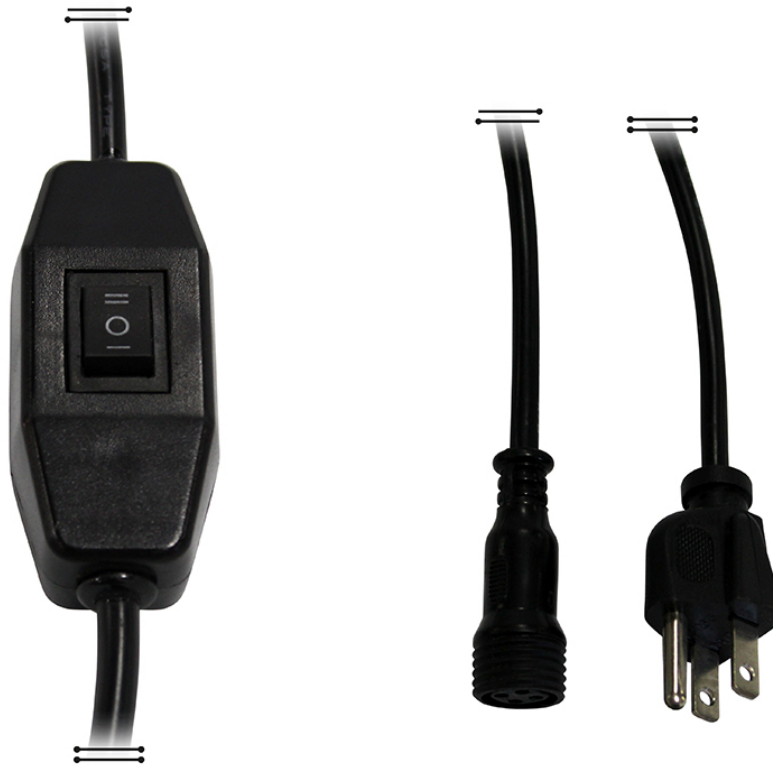
Screen Case Opened and Closed



Remote Kit



Toggle Switch Detail



Section 6: Company Description

6.1 About EliteProAV™

EliteProAV™ is the manufacturer of projector screens for the commercial AV sales channel. It is a division of Elite Screens Inc., an ISO9001:2015 certified manufacturer that is presently the leading international brand of CE Retail projector screens with offices located worldwide.

EliteProAV™ provides an array of dedicated commercial grade projector screens for professional integrators. This includes certified products that are also compatible with building codes as well as programs, warranties and trained professionals to assist installers every step of the way. Product is available through a series of regional warehouses located in Southern California, Texas, Georgia, and Maryland. EliteProAV™ is located at 12282 Knott St. Garden Grove, CA 92841. For more information, please call 877-511-1211 or visit <http://www.eliteproav.com>.

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