

Aurora Outdoor Smart TV

MODEL (LIPPERT PN)

FDUN**CSA,	FDUN**CSA-CA,
FDUP**CSA,	FDUP**CSA-CA,
FDFU**CSA,	FDFU**CSA-CA,
FDUB**CSA,	FDUB**CSA-CA,
FDUP50Y1A,	FDUP50Y1A-CA

TROUBLESHOOTING AND SERVICE MANUAL



* Picture shown here is for reference only.

This manual contains the product's basic information, operation instructions, fault diagnosis and basic troubleshooting methods. In order to better understand and use this product, please take good care of this manual, and read it carefully.

MODEL (LIPPERT PN)

Model	Lippert No.
FDUN75CSA	2022260471
FDUN65CSA	2022260470
FDUN55CSA	2022260469
FDUP75CSA	2022260468
FDUP65CSA	2021130712
FDUP55CSA	2021130711
FDUP43CSA	2021130709
FDUF55CSA	2021130707
FDUF43CSA	2021130705
FDUN75CSA-CA	2022260476
FDUN65CSA-CA	2022260475
FDUN55CSA-CA	2022260474
FDUP75CSA-CA	2022260473
FDUP65CSA-CA	2021135665
FDUP55CSA-CA	2021135664
FDUP43CSA-CA	2021135662
FDUF55CSA-CA	2021135660
FDUF43CSA-CA	2021135658
FDUP50Y1A	2022260467
FDUP50Y1A-CA	2022260472
FDUB43CSA	2021132330
FDUB55CSA	2021132194
FDUB65CSA	2021132196
FDUB43CSA-CA	2022002113
FDUB55CSA-CA	2022002115
FDUB65CSA-CA	2022002116

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Introduction

This document provides an overview on replaceable parts for Furrion® Aurora Outdoor Smart TV, as well as basic troubleshooting and service information.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ. For more detailed operation, including general safety instructions, warnings and cautions, see Instruction Manuals at:

Smart 4K UHD Full Sun, Full Shade & Partial Sun TV

<https://support.lci1.com/documents/ccd-0005511>

Aurora Smart 4K UHD Sun, Full Shade & Partial Sun Outdoor TV

<https://support.lci1.com/documents/ccd-0007280>

Aurora Smart 4K UHD Partial Sun Outdoor TV

<https://support.lci1.com/documents/ccd-0007276>

or scan these QR codes:



CCD-0005511



CCD-0007280



CCD-0007276

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.



The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.



Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.



The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

⚠ CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

Important Safety Instructions



⚠ CAUTION



TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This 'bolt of lightning' indicates uninsulated material within your unit may cause an electrical shock.

For the safety of everyone in your household, please do not remove product covering.



The 'exclamation mark' calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.


⚠ WARNING

To reduce the risk of fire or electric shock, this product should not be submerged in liquid or placed within 6 feet of bodies of water or objects filled with liquids (such as pools, spas, or bath tubs).

⚠ CAUTION

To prevent electric shock, fully insert the plug. For regions with polarized plugs: Please match wide blade to wide slot.

1. Clean only with a dry microfiber towel, or clean with a glass cleaning solution by applying to a towel. DO NOT apply cleaning solution directly on the display.
2. If the TV is to be mounted near a fireplace, allow two feet of space or clearance between the TV and fireplace.
3. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for safety. When the provided plug does not fit into the outlet, consult an electrician for replacement of the obsolete outlet. This product must be grounded. Connect only to properly grounded power outlets.
4. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the product. Make sure that the plug and power cable are not damaged before plugging them in.
5. If a surge protector is not in use, unplug this product during a lightning storm or when the product has not been used for long periods of time.
6. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as if the power-supply cord or plug is damaged, liquid or objects have entered into the product, or when the product does not operate normally, or has been dropped.

7. Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
8. When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
9. Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
10. When the product is connected to other equipment, turn off the power and unplug from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.
11. Sudden high volume may cause hearing or speaker damage. When headphones are used (if the unit is equipped with a headphone jack), keep the volume at a moderate level. The use of headphones continuously with high volume, may cause hearing damage.
12. Do not allow the product to output distorted sound for extended periods of time. This may cause speaker overheating and fire. If the device is not functioning normally (unusual noises or smells), unplug it immediately and contact customer service.
13. The socket-outlet must be installed near the unit and easily accessible.
14. The main plug is used as the disconnect and shall remain readily operable.
15. Batteries (battery pack or installed batteries) should not be exposed to excessive heat such as direct sunlight, fire or other heat sources.
16.  Class I product: This symbol indicates that it requires a safety connection of protective earthing (ground). A warning that a product with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

⚠ WARNING

Never place a television set in unstable or inclined locations. A television set may fall, causing serious personal injury or death.

⚠ WARNING

This is not a recessed installable TV, do not insert TV into the wall without proper ventilation.

Safety Precautions

A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use mounting methods recommended by the manufacturer of the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set.
- ALWAYS route cords and cables connected to the television so they cannot be tripped over, pulled or grabbed.
- ALWAYS before cleaning, disconnect the television set. Use only a soft damp cloth or a special cleaning product for flat-screens.
- ALWAYS use the television set only with the voltage indicated in the specifications.
- ALWAYS ensure that there is easy access to the plug and that the television set can always be disconnected from the electricity supply.
- ALWAYS hold the television by the casing when moving to another location.
- NEVER place a television set in an unstable location.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.

- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.
- NEVER allow small objects or liquids to enter the television set. They can cause damage or even fire.
- NEVER place anything holding a liquid or any candles on the television set.
- NEVER put too much pressure on the screen as it can damage the television set.
- NEVER expose the television set to high temperatures (radiators, open fire).
- NEVER use the television in areas exceeding 90% humidity.
- NEVER disconnect the television set by pulling the power cable. Always take hold of the plug. The power cable must not be kinked or placed over sharp edges.

Condensation

Moisture will form in the operating section of the unit if the unit is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly.

When this happens the unit's performance will be impaired. To prevent this, let the unit stand in its new surroundings for about an hour before switching on, or make sure the room temperature rises gradually.

Condensation may also form during the summer if the unit is exposed to the breeze from an air conditioner. In such cases, change the location of the unit.

How to Handle the LCD Panel

- Do not press hard or jolt the LCD panel. It may cause the LCD panel glass to break and injury may occur.
- If the LCD panel is broken, make absolutely sure you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately rinse and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult your doctor after rinsing for at least 15 minutes in clean water.

Possible Adverse Effects on LCD Panel:

If a fixed (non-moving) pattern remains on the LCD panel for long periods of time, the image can become permanently ingrained and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your LCD panel on for long periods of time while it is displaying the following formats or images:

- Fixed images, such as stock tickers, video game patterns, TV station logos and websites.
- Special formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (black bars at top and bottom of screen); or viewing normal style (4:3) media on a wide screen (16:9) display (black bars on left and right sides of screen).

The following symptoms are not signs of malfunction but technical limitation. Therefore we disclaim any responsibility for these symptoms.

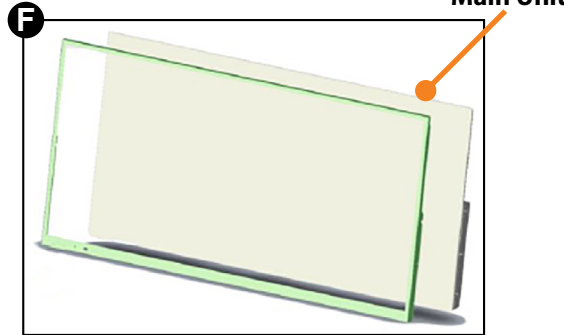
- LCD panels are manufactured using an extremely high level of precision technology, however sometimes parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
- Do not install the LCD panel near electronic equipment that produces electromagnetic waves. Some equipment placed too close to LCD may cause interference.
- Effect on infrared devices – there may be interference while using infrared devices such as infrared cordless headphones.

Compliance

FCC Statement

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.

Replaceable Parts List




Callout	Part #	Description	Model
A	2022451354	WebOS Dual band WiFi antenna (SMA)	All
B	2022451355	CVBS cable RCA both ends (Y/R/W)	All
C	2021149197	Furrion WebOS Remote control (no batteries included)	All
D	2022451356	M6 VESA Spacer nut (4 pcs) with M6 VESA screws (4pcs)	FDUN65CSA, FDUN55CSA, FDUP65CSA, FDUP55CSA, FDUP43CSA, FDUF55CSA, FDUF43CSA, FDUN65CSA-CA, FDUN55CSA-CA, FDUP65CSA-CA, FDUP55CSA-CA, FDUP43CSA-CA, FDUF55CSA-CA, FDUF43CSA-CA, FDUP50Y1A, FDUP50Y1A-CA, FDUB43CSA, FDUB55CSA, FDUB65CSA, FDUB43CSA-CA, FDUB55CSA-CA, FDUB65CSA-CA
	2022451357	M8 VESA Spacer nut (4 pcs) with M8 VESA screws (4pcs) for 75"	FDUP75CSA, FDUP75CSA-CA, FDUN75CSA, FDUN75CSA-CA

Callout	Part #	Description	Model
E	2021149198	Silicon protective case for WebOS remote	All
F	2022451684	43" WebOS TV Frame with tempered glass	FDUP43CSA, FDUP43CSA- CA,FDUB43CSA, FDUB43CSA-CA
	2022451685	55" WebOS TV Frame with tempered glass for 750 nits	FDUP55CSA, FDUP55CSA- CA,FDUB55CSA, FDUB55CSA-CA
	2022452381	55" WebOS TV Frame with tempered glass for 1500 nits	FDUN55CSA, FDUN55CSA-CA
	2022451687	65" WebOS TV Frame with tempered glass for 750 nits	FDUP65CSA, FDUP65CSA- CA,FDUB65CSA, FDUB65CSA-CA
	2022452382	65" WebOS TV Frame with tempered glass for 1500 nits	FDUN65CSA, FDUN65CSA-CA
	2022451688	75" WebOS TV Frame with tempered glass	FDUP75CSA, FDUP75CSA-CA, FDUN75CSA, FDUN75CSA-CA
	2022451689	43" WebOS TV Frame without tempered glass	FDUF43CSA, FDUF43CSA-CA
	2022451690	55" WebOS TV Frame without tempered glass	FDUF55CSA, FDUF55CSA-CA
	2022452383	50" WebOS TV Frame without tempered glass (BBY)	FDUP50Y1A FDUP50Y1A-CA
G	2022003019	Furrion webos Voice Remote Control (Magic Remote) (Battery NOT Included)	All

Troubleshooting

Problem	Solution/Issue
TV does not operate	<p>Make sure the power cord is plugged in.</p> <p>Try another AC outlet.</p> <p>Power is off, check fuse or circuit breaker.</p> <p>Unplug unit for an hour, then plug it back in.</p>

Problem	Solution/Issue
Normal picture, but no sound	<p>Check the volume settings.</p> <p>Sound muted? Press  button.</p> <p>Try another channel.</p> <p>Check audio cable connections.</p> <p>Check to see if power button is pressed in the 'on' position.</p>
The remote control does not work	<p>Make sure the remote control is in range with no obstructions.</p> <p>Check the batteries.</p> <p>Correct operating mode set: TV, VCR etc.</p>
Poor sound or no sound	<p>Station or Cable TV experiencing problems, tune to another station.</p> <p>Check sound adjustments (Volume or Mute).</p> <p>Check for sources of possible interference.</p> <p>Check Digital Sound out Settings. Make sure this setting is set to PCM by going to All settings > Sound > Additional Settings > Digital Sound Out > Select PCM.</p>
Poor picture or no picture	<p>Station or Cable TV experiencing problems, tune to another station.</p> <p>Make sure channels are set into memory.</p> <p>Check antenna or Cable TV connections, adjust antenna.</p> <p>Check for sources of possible interference.</p> <p>Check picture control adjustments.</p>
Poor TV reception	<p>Ensure the antenna amplifier is turned on for Antenna TV.</p> <p>Adjust the antenna position to a stronger signal receiving angle.</p> <p>Check if the Antenna connection is tight.</p> <p>Check if there is power supplied to the Antenna distribution box.</p> <p>Check if the incoming cable is connected to the correct cable / antenna wall connection.</p>
Poor Cable / Satellite TV Reception	<p>Ensure antenna amp is turned off for cable signal.</p> <p>Check if incoming cable is connected correctly.</p> <p>Ensure cable splitter box has power.</p> <p>Check if the incoming cable is connected to the correct cable / Satellite wall connection.</p> <p>Ensure Dish has no obstruction.</p>
TV shuts off	<p>Sleep Timer is set.</p> <p>Power interrupted.</p>
Black and white image from the connected AV device	<p>Check video connections on both the TV and connected AV device. Ensure all video cables are connected firmly.</p>

Specifications

Product specifications may be changed without prior notice due to upgrade of product functions.

Estimated yearly energy consumption indicated on the energy label is measured in accordance with the test procedures for television sets (USA only). The actual energy consumption depends on the usage environment (the content watched, TV settings, etc.).

	FDFU**CSA Models	FDFU**CSA Models	FDFU**CSA Models
Resolution	3840*2160		
Refresh Rate	60Hz		
Contrast Ratio	4000:1		
View Angle	178° / 178°		
Response Time	6.5ms		
Brightness	400 nits	750 nits	1500 nits
Wifi	802.11a/b/g/n/ac		
Bluetooth	5.0		
Television System	ATSC / NTSC		
Input Voltage	100-240V AC (50-60Hz)		
Water & Dust Resistance	IP54-rated		
Operating Temperature	-4°F to 122°F (-20°C to 50°C)		
Operating Humidity	10% to 90%		
Non-Operating* Temperature	-27°F to 140°F (-33°C to 60°C)		
Non-Operating* Humidity	10% to 90%		
* Off mode with power applied			

Input & Output Connections

Earphone Jack	LAN	Optical Out	R-AUDIO IN-L	Video in	HDMI in	RF in	USB
1	1	1	1 x Red 1 x White	1 x Yellow	3	2	1

Dimension & Resolution

Model	Dimension (W x H x D)	Max Resolution
43" TV 400 nits	38-7/16 x 23-1/16 x 4-5/8" (976 x 586 x 117 mm)	3840 x 2160@ 60Hz UHD
50" TV 750 nits	44-7/16 x 26-7/16 x 4-1/2" (1128 x 672 x 115 mm)	
55" TV 400 nits	48-15/16 x 29-1/16 x 4-1/8" (1243 x 739 x 105 mm)	
55" TV 750 nits	48-15/16 x 29-1/16 x 4-1/4" (1243 x 739 x 108 mm)	
55" TV 1500 nits	49-7/16 x 29-7/16 x 4-5/16" (1256 x 747 x 109 mm)	
65" TV 750 nits	57-9/16 x 33-15/16 x 4-5/8" (1463 x 862 x 118 mm)	
65" TV 1500 nits	58-1/8 x 34-3/16 x 5-1/8" (1479 x 868 x 130 mm)	
75" TV 750 nits & 1500 nits	67-5/8 x 39-3/4 x 4-3/4" (1717 x 1009 x 121 mm)	



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For all concerns or questions, please contact Lippert.

Communiquer avec Lippert Components si vous avez des questions ou des préoccupations.
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