USER MANUAL

Hydra Indoor Waterproof Television

19-INCH AND 27-INCH TVs

MODEL NUMBER
IWT-19.5
IWT-27.5
Thank you for selecting a Séura Indoor Waterproof Television. This product has been inspected and packaged carefully before shipment. Please read this guide before beginning installation.

Please keep this manual for future reference. Information in this manual is subject to change without prior notice.

**FCC Information**

This equipment has been tested and found to comply with 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, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

There is no guarantee that interference will not occur in a particular installation. If this equipment causes unacceptable interference to radio and 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.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced Radio/TV technician for additional help.

**WARNINGS**

To reduce the risk of fire, electrical shock and other injuries, keep these safety precautions in mind when installing, using, and maintaining your Television. The socket-outlet should be installed near the equipment and be easily accessible. The TV should be connected to a grounded GFCI protected main socket outlet.

**WARNING:** If you manipulate against the recommended usage, serious injury or death to user may result.

To protect against electric shock, do not immerse the power cord, power plug, or product in water or other liquid.

Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.

Close adult supervision is necessary when any product is used by or near children.

Do not operate any product with a damaged cord or plug or operate it after the appliance malfunctions or has been damaged in any manner.

Do not use the product close to any heat sources such as radiators, heat registers, stoves, or other products that produce heat.

Do not let the power cord come in contact with hot surfaces.

If you notice any smoke or scorched smell near the product, unplug power cord and refer to qualified personnel for service and/or repair.

Do not use or place any combustible or flammable substances near the product.

To electrically disconnect the product, turn OFF the product, then remove the electrical power plug from the outlet.

Do not place heavy articles on or step on the product.

Do not place the product on an unstable cart, stand, tripod or table.

Do not use this product for other than intended use.

This Séura product is only intended for use indoors.

For added safety during a lighting storm, or when this product is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna.

**NOTE: THE POWER SUPPLY MUST NOT BE MOUNTED INSIDE A WALL CAVITY.**

Specifications of this product are subject to unannounced changes; this manual may thus not reflect the current technical status.
WARNING: READ ALL INSTRUCTIONS AND REVIEW ALL DRAWING SHEETS BEFORE ATTEMPTING TO INSTALL OR SERVICE THIS PRODUCT.

When installing and during use of this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock and/or injury to persons including the following:

• Inspect the desired location for installation and be aware of all electrical wiring pathways, water pipes, gas lines, or other potentially hazardous conditions that may exist to protect from accidental damage during creation of on-site conditions.

• Ensure all required electrical specifications are adhered to and have been installed by the appropriate individuals and are code approved.

• Ensure all framing requirements, if needed, have been completed to building code and pose no structural issues.

• It is REQUIRED that this product is plugged into an electrical outlet protected by a Ground Fault Circuit Interrupter (GFCI) to protect against electric shock, fire, and/or injury. Failure to do so will void any warranty for this product.

• Only qualified individuals should attempt to service the product. Removing covers can expose you to high voltage and other dangerous conditions.

• Do not let the power cord come in contact with hot surfaces.

• To electrically disconnect the product, turn OFF the product, then remove the electrical power plug from the outlet.

• Do not use this product for other than intended use.

• This Séura product is only intended for use indoors.

• Retain this manual in a safe place for future reference.

Safety Warning

Never place a television set in an unstable location. 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:

• Using cabinets or stands recommended by the manufacturer of the television set.
• Only using furniture that can safely support the television set.
• Ensuring the television set is not overhanging the edge of the supporting furniture.
• Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
• Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
• Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.
# BEFORE USE

2-Part Product Anatomy

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Schematic: 27" Model

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2-Part Product Anatomy

BACK BOX

FRAMEING MEMBER SCREW-MOUNTING SLOTS (4)

GRAVITY LOCK MOUNTS

INPUT/OUTPUT/LOW VOLTAGE PASS-THROUGH PORT

FRAMING MEMBER SCREW-MOUNTING SLOTS (4, 2 PER SIDE)

TV ASSEMBLY

GRAVITY LOCK GUIDE SLOTS (4)

LOW VOLTAGE POWER LOCATION

GLASS FACE

ON-UNIT CONTROL BUTTONS

INPUTS/OUTPUTS

POWER

MENU

CHANNEL UP

CHANNEL DOWN

VOLUME UP

VOLUME DOWN

Note: Buttons are labeled on product. 19” shown. Buttons are located on the side of the unit on the 27” model.
Display Requirements

Operation and Storage Requirements
The ambient temperature for operating the device is between 41 to 122 degrees Fahrenheit. Do not install the device in the proximity of heat sources, such as heating pipes, heaters, furnaces or other devices that radiate heat. Mount the device in such a way that it is protected against moisture. Trouble free operation is ensured up to 100% air humidity. To prevent fire or electric shock, never allow liquids to enter the unit. The product must be stored in dry and well-ventilated rooms, without extreme temperature fluctuations. Heat sources and aggressive active substances may not be stored in the proximity of the device. The required storage temperature is 32° F - 140° F at an air humidity of 5 - 85% RH non-condensing. The device must be stored in the complete packaging, as delivered.

Installation Environment
Avoid direct light or sun exposure, direct proximity to heat sources, outdoor installation. The product is specifically designed for indoor use only. There is the danger of fire and of electric shock and damage to the device if it is operated outdoors. Do not place any heat sources such as radiators and heat registers, etc. near the monitor. To reduce eye strain, avoid installing the Sėura Television against a bright background such as a window. Position the monitor at the height of your eye level. Position the monitor directly in front of you at a comfortable viewing distance.

Installation
Have this product installed by qualified personnel only. Use the mounting systems which are specified or recommended by Sėura. Install the product in a way that it is fixed properly and take care that children are not exposed to danger. Please take extra care during installation, avoid impacts. Before cabling your monitor, check that the power is off. To avoid any possibility of electric shock, always connect your equipment to properly grounded outlets. Use of power cords or adapters other than those provided may cause fire or malfunction. Place this product as close to the power socket as possible. Leave enough space to insert and remove the power plug on demand. Even if you switch off the product with your remote control, power is not cut off unless the power cord is unplugged. The device may only be operated with the provided power adapter. The rated voltage is indicated on the product label. The device is factory-set to the optimal operating voltage (see Technical Specification). Use only power cords and plugs that are suitable for your local electrical outlets. Install the power cords in such a way that it does not obstruct anyone. Ensure furthermore that the cable is not clamped and that it cannot be pulled out accidentally from the power adapter. Do not install the power cords in the proximity of heating elements and never place heavy items on the cable or power adapter. Do not modify or arbitrarily repair the power cords.

CAUTION
Do not use any power cords or adapters other than those provided with this product! Use of power cords or adapters other than those provided with this product may cause fire, electric shock or malfunction. If several kinds of power cords are provided with this product, use the one that fits your power socket. Do not let the adapter hang down while using. Do not cover or wrap the adapter. Leave space around the adapter to prevent overheating. The individual components can be destroyed, if the polarity is reversed or an incorrect connection is used. A goodwill replacement is not possible in such cases, since each device is submitted to meticulous quality inspections prior to shipping. The connecting plugs must be attached in such a way that the connector is held firmly. Have trained technical personnel install the electrical facilities necessary for mounting. The power adapter must be installed in ventilated areas due to heat emission. Connect the power cord to a grounded outlet. Never cut or damage the power cord.

Please disconnect the device from the power adapter in the following cases:
1. The device is out of use for a lengthy period.
2. The device malfunctions or displays other unusual features, necessitating maintenance work.
3. During a thunderstorm.

Please plan the positioning of the power adapter and the source cables before proceeding with the structural measures and positioning of the Sėura Television. Observe the protection zones when placing the power adapter! Please bear in mind that the power adapter has to be placed beyond the inset due to heat emission.

NOTE
The power cable should be adequately secured to prevent it from becoming unstable and/or falling. Make sure the power source circuits are properly grounded. Use the supplied power cord in order to connect it to the power source. If your installation requires a different power cord, be sure to use an officially approved power cord displaying the mark of the safety agency that defines the regulations for power cords in your country.

Ensure that your installation complies with your national and local safety rules. Any servicing, adjustment, maintenance or repair must be performed only by service-trained personnel.
Setup

Before using the device please check the following contents of the box for completeness:

- TV Assembly
- Low-Voltage Power Adapter and Cable
- YPbPr Adapter
- Composite Adapter
- RS-232 Adapter
- IR Remote Control
- User Manual
- Mounting Hardware

Sold separately:
- Back Box
- 50’ Low-Voltage Power Cable

Input/Output Overview (Bottom View)

Waterproof Remote Functions
NOTE:
All Séura drawing packages indicate generalized nominal residential wood framing construction, and are not indicative of any particular building code. It is the installer’s responsibility that all electrical, audio/visual, and framing construction are code compliant to the municipality in which the product is being installed. Modifications made to Séura recommendations are at the sole discretion of the installer and release Séura of all liability.

Inspect the desired location for installation and be aware of all electrical wiring pathways, water pipes, gas lines, or other potentially hazardous conditions that may exist to protect from accidental damage during creation of on-site conditions.

Ensure all required electrical specifications are adhered to and have been installed by the appropriate individuals and are code approved.

Ensure all framing requirements, if needed have been completed to building code and pose no structural issues.

It is REQUIRED that this product is plugged into an electrical outlet protected by a Ground Fault Circuit Interrupter (GFCI) to protect against electric shock, fire, and/or injury. Failure to do so will void any warranty for this product.

Only qualified individuals should attempt to service the product. Removing covers can expose you to high voltage and other dangerous conditions.

Read all installation instructions before beginning installation.

Step 1
Install back box to framing members using the provided four screws and washers through screw-mounting slots in back box. Ensure that the front of the box is flush with finished wall and mounting tabs will rest on finished wall surface. Feed power and other desired cords through pass-through port.

Note: Do not overtighten mounting hardware. Back box should fit snugly between framing members. If the fit is poor, and overtightening occurs, the back box may deform, resulting in a poorly sealed installation. If the back box doesn’t fit well between framing members, shim the framing members for a square and stable fit.
**Step 2**
While keeping cord ends outside the back box pass-through port, finish the wall tight to the edges of back box, removing any gap. Once complete, the final wall surface should be flush with the front edge of the back box as shown.

Scan to watch the 2-minute installation video
Installation

**Step 3**
**Install TV Assembly:**
A) Place TV assembly face down on a clean, dry surface near the installed back box. Make all necessary connections and ensure LCD operation is successful.
B) Before applying adhesive, “dry fit” the TV assembly in back box. Notice that the gravity lock mounts engage. Ensure functionality in installed position.
C) Remove TV assembly from back box. Do not disconnect any wires. Clean any residue from glass and remove debris.
D) Generously apply 1/8” bead of supplied waterproof sealant to glass face as close to the edge as possible. Affix to wall surface, ensuring gravity lock mounts are fully engaged. Sealant should seep out the front on all edges to provide the best seal.
E) Immediately after TV assembly is installed and sealed, again verify functionality of LCD and remote. If operation has been compromised by the installation, corrections can easily be made before the sealant has cured.
F) Wipe dripping or excessive sealant.

**NOTE: THE POWER SUPPLY MUST NOT BE MOUNTED INSIDE A WALL CAVITY.**
### Step 4

Allow waterproof sealant 24 hours to cure at 72 degrees Fahrenheit before exposing to moisture. (or recommended time designated by sealant instructions)

Once fully cured, use a razor blade or utility knife to carefully remove excess sealant.
Connecting Video
The Television features one Component, one Composite, one VGA, one coaxial Cable/Antenna input, and two HDMI inputs. We recommend using the HDMI inputs for best video and sound quality.

Connecting Audio
Two passive loudspeakers can be connected to the speaker output socket with speaker cables. Observe the polarity (+ and -) of the connections to avoid phase errors (= incorrect stereo playback).

Note: This product is not equipped with built-in speakers.

Connecting a USB Media Source
Connect an external USB media source to the USB socket to display photos, play music or install a software update.

In order to have access to the USB port after installation we recommend installing a USB extension cable.

Connecting a Home Automation System
With the RS-232 interface (9 pin d-subminiature connector female) you can connect a serial cable for communication with a home automation system, PC, etc. The baud rate is 115200.
On Screen Display Menu (OSD)

In the on screen display menu (OSD) you can adapt the characteristics of your display based on personal preferences. OSD menus include Video, Audio, TV, Setup, and Parental.

1. Press \[\text{Menu}\] on your remote control to open the OSD menu
2. Navigate within the OSD with the left/right and up/down arrows
3. Change settings with the left/right arrows
4. Go back one step with \[\text{Next}\]
5. Confirm selection with the OK button
6. Press \[\text{Exit}\] to exit the OSD menu.

Input Source Selection

In the Input Source menu, you may select from the available input sources.

1. Press \[\text{Power}\] to power the Television on
2. Press \[\text{Source}\] to display the Input Source list OR use the quick input controls on the remote to directly designate the input source.
3. Press the up or down arrows until the desired Input Source is highlighted.
4. Press OK to confirm selection of the chosen input and clear the Input Source list from the screen or press \[\text{Source}\] again to switch through the signal inputs.
5. Press \[\text{Exit}\] to close the Input Source list without selecting an alternative source.

Video Settings

The Video Settings menu offers options to enhance and refine the image characteristics of your Séura Television. These settings are based on ambient conditions of illumination and personal preferences.

Adjustment options include:

- **Picture Mode**
- **Brightness**
- **Contrast**
- **Saturation**
- **Hue**
- **Sharpness**
- **Back Light**
- **Advanced Video**
- **Reset Picture Mode**

**PICTURE MODE**

Within the **Picture Mode** menu you can customize the image display according to your preferences.

Your options: **Home, Vivid, User, Cinema, Sport**

The **Home** setting is recommended for most viewing environments. Select the **User Mode** to adjust your preferred settings manually.
Advanced Video Settings
The Advanced Video Settings menu offers further options to refine the image characteristics of your Séura Television.

Adjustment options include:
- DNR
- MPEG NR
- Adaptive Luma Control
- Flesh Tone
- DI Film Mode
- Blue Stretch
- Game Mode
- Blue Mute
- Gamma
- Color Temperature

COLOR TEMPERATURE
Within the Color Temperature menu you can customize the Color Temperature of the picture according to your preferences.
Your options: Standard, Warm, User, Cool

Audio Settings
The Audio Settings menu offers options to enhance and refine the sound characteristics of your Séura Television based on personal preferences.

Adjustment options include:
- Balance
- Bass
- Treble
- Sound Surround
- Sound Mode
- MTS
- Audio Language
- SPDIF Type
Setup Menu
The Setup Menu offers options to determine fundamental settings of your Séura Television based on personal preferences.
Adjustment options include:

OSD Language
Caption
Time Setup
Reset Default

TIME SETUP
Options within the Time Setup selection include Time Zone, Time, and Sleep Timer.

TIME ZONE
The local time zone may be selected using the graphical map of North America.

SLEEP TIMER
Within the Sleep Timer menu you can determine a timespan after which the Séura Television will turn off automatically.
Your options: Off, 10, 20, 30, 40, 50, 60, 90, 120 minutes

The Sleep Timer can also be activated and deactivated directly with the remote control.
**Parental Menu**
The Parental Menu offers options to restrict program viewing based on various national rating systems.
To access the menu, enter the 4-digit Password using the keypad on the remote. The factory default password is “0000”.
Adjustment options include:

- **Program Block**
- **Change Password**
- **Clean All (or reset settings)**
If the product is not working properly, please check the following troubleshooting hints before you contact customer service:

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank screen</td>
<td>Check the status LED. If the status LED is red, the Television is in standby and the monitor is black, this is normal. If the status LED is green and the monitor is black, the Television might perform an input scan with no available signal. Please check if an input source is available and that the port of the device has been connected correctly in the Service Settings/ Input Ports menu. Press &quot;Menu&quot; on your remote control: you should see the OSD menu. Check your settings for misconfigurations and adjust accordingly. Alternatively, perform a factory reset to restore the Television to its default settings. If the problem still exists contact customer service.</td>
</tr>
<tr>
<td>Color defects</td>
<td>Check that the signal cable connector is properly connected and that the connection pins are not bent or damaged.</td>
</tr>
<tr>
<td>The image is unsatisfactory</td>
<td>Adjust the picture characteristics as described in the above-mentioned section “Video Settings”. Image is not stable. Check that the display resolution and frequency from your media source is compatible with the Television.</td>
</tr>
<tr>
<td>Error message: “No Signal”</td>
<td>Check that the connected media sources are switched on. Check that the signal cable connector is properly connected and that the connection pins are not bent or damaged. Press “Menu” on your remote control: you should see the OSD menu. Check your settings for misconfigurations and adjust accordingly. Alternatively, perform a factory reset to restore the Television to its default settings. If the problem still exists contact customer service.</td>
</tr>
<tr>
<td>Low or no sound</td>
<td>Press “Volume Up” and/or “Volume Down” on your remote control and check the audio connection cable(s). Make sure that the Volume Limit setting in the Service Settings menu has been set to an audible value.</td>
</tr>
<tr>
<td>Remote control doesn’t work</td>
<td>Press a button on the remote control and check that the status LED of the Television flashes briefly. If it doesn’t, replace the batteries of the remote control.</td>
</tr>
</tbody>
</table>

NOTE: If the above troubleshooting hints do not help you to find a solution, please contact Séura.
## Ports and Media Support

### Ports

<table>
<thead>
<tr>
<th><strong>Input Ports</strong></th>
<th><strong>LINE Audio INPUT</strong></th>
<th>1 x mini jack and adapter cable: RCA terminal, white, red, yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Input</td>
<td>1 x mini jack and adapter cable: RCA terminal, red, green, blue</td>
<td></td>
</tr>
<tr>
<td>HDMI™ Input</td>
<td>2 x HDMI™ terminal</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>1 x USB terminal</td>
<td></td>
</tr>
<tr>
<td>RS232</td>
<td>1 x mini jack and adapter cable: D-SUB 9pin female</td>
<td></td>
</tr>
<tr>
<td>IR Input (Infrared)</td>
<td>1 x mini jack 3.5mm</td>
<td></td>
</tr>
<tr>
<td>S-Video</td>
<td>1 x 4-pin mini DIN</td>
<td></td>
</tr>
<tr>
<td>PC Audio In</td>
<td>1 x mini jack 3.5mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Output Ports</strong></th>
<th><strong>Speaker Output</strong></th>
<th>1 x Phoenix clip 4pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR Output</td>
<td>4 x mini jack 3.5mm</td>
<td></td>
</tr>
<tr>
<td>Audio Line Out</td>
<td>2 x mini jack 3.5mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Video</strong></th>
<th>HDMI™</th>
<th>480i, 480p, 576i, 576p, 720p, 1080i, 1080p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component (YPbPr / YCbCr)</td>
<td>480i, 480p, 576i, 576p, 720p, 1080i, 1080p</td>
<td></td>
</tr>
</tbody>
</table>

### Special Features

<table>
<thead>
<tr>
<th><strong>Multimedia Player</strong></th>
<th>USB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Software Update</strong></td>
<td>USB</td>
</tr>
<tr>
<td><strong>Signal Scan</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>RS-232</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Noise Reduction</strong></td>
<td>3D</td>
</tr>
</tbody>
</table>

### USB Media Support

<table>
<thead>
<tr>
<th><strong>USB Media Support</strong></th>
<th><strong>File Extension</strong></th>
<th><strong>Video</strong></th>
<th><strong>Audio</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Movie</td>
<td>.avi</td>
<td>DivX, XviD, MPEG-4</td>
<td>MP3, WMA, AAC</td>
</tr>
<tr>
<td></td>
<td>.mpg</td>
<td>MPEG-1, MPEG-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>.dat</td>
<td>MPEG-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>.mov / .mkv</td>
<td>H.264</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>.mp3</td>
<td>--</td>
<td>MP3</td>
</tr>
<tr>
<td></td>
<td>.wma</td>
<td>--</td>
<td>WMA</td>
</tr>
<tr>
<td></td>
<td>.m4a / .aac</td>
<td>--</td>
<td>AAC</td>
</tr>
<tr>
<td>Photo</td>
<td>.jpg / .jpeg</td>
<td>Progressive JPG</td>
<td></td>
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<tr>
<td></td>
<td>.bmp</td>
<td>Baseline JPEG</td>
<td></td>
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<td></td>
<td>.png</td>
<td>BMP</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Non-Interlaced</td>
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<tr>
<td></td>
<td></td>
<td>Interlaced</td>
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</tbody>
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*NOTE: Above specification may be changed without prior notification for quality improvement.*
## Technical Specifications

### 19 AND 27 INCH CONNECTIONS

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<tr>
<th>Power Adapter</th>
<th>IR</th>
<th>VGA Audio</th>
<th>Composite</th>
<th>Audio Line Out</th>
<th>RF Coaxial Antenna</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Input</td>
<td>Input</td>
<td>Input</td>
<td>Input</td>
<td>Cable Input</td>
<td>Output</td>
</tr>
</tbody>
</table>

**19 INCH TV**
Model: IWT-19, Version: 5
- **FINISH OPTIONS**: Stainless Steel, Brushed Goal, Polished Chrome, Black Onyx, Pearl White, and custom colors
- **PROTECTIVE GLASS**: Tempered safety glass
- **OPERATING TEMPERATURE RANGE**: 32°F to 122°F
- **OPERATING HUMIDITY RANGE**: 0–100% RH, non-condensing
- **TYPE**: LCD
- **VIEWABLE SCREEN SIZE**: 15 15/16" w x 9 7/8" h
- **DISPLAY RESOLUTION**: 1440 x 900
- **ASPECT RATIO**: 16:9
- **CONTRAST RATIO**: Typical 1000:1
- **TUNER**: ATSC, NTSC, QAM
- **RESPONSE TIME**: 3.6ms
- **VIEWING ANGLE**: 170° Horizontal, 160° Vertical
- **POWER CONSUMPTION**: DC 19V 40W / .333A
- **HDMI**: 2
- **COMPONENT YPBPR**: 1*
- **COMPOSITE (AV)**: 1*
- **VGA**: 1
- **RF COAXIAL ANTENNA**: 1
- **S-VIDEO**: 1
- **USB**: 1
- **RS-232**: 1*
- **IR INPUT**: 1 (Mono)
- **IR OUTPUT**: 4 (Mono)
- **PC AUDIO IN**: 1
- **VARIABLE**: 2
- **PHOENIX TYPE SPEAKER OUTPUT**: 2 x 5W @8Ω/ channel
- **INTERNAL SPEAKERS**: None
- **PRODUCT DIMENSIONS**: 19" w x 13 1/4" h x 3 3/16" d
- **ROUGH OPENING SIZE**: 18 1/2" w x 12 7/8" h
- **COMPATIBLE BACK BOX AND POWER CABLE**: BB-19 with 50' Low-Voltage Power Cable
- **CERTIFICATIONS AND COMPLIANCE**: FCC, MET
- **WARRANTY**: Séura’s labor for three (3) years; glass, structure, frame, and assembly for three (3) years; TV including remote and power supply for two (2) years.
- **REMOTE**: Séura IR Remote Control
- **COMPATIBLE BACK BOX AND POWER CABLE**: BB-19

**27 INCH TV**
Model: IWT-27, Version: 5
- **FINISH OPTIONS**: Stainless Steel, Brushed Goal, Polished Chrome, Black Onyx, Pearl White, and custom colors
- **PROTECTIVE GLASS**: Tempered safety glass
- **OPERATING TEMPERATURE RANGE**: 32°F to 122°F
- **OPERATING HUMIDITY RANGE**: 0–100% RH, non-condensing
- **TYPE**: LCD
- **VIEWABLE SCREEN SIZE**: 23 5/16" w x 13 1/16" h
- **DISPLAY RESOLUTION**: 1920 x 1080
- **ASPECT RATIO**: 16:9
- **CONTRAST RATIO**: Typical 1200:1
- **TUNER**: ATSC, NTSC, QAM
- **RESPONSE TIME**: 3.5ms
- **VIEWING ANGLE**: 170° Horizontal, 160° Vertical
- **POWER CONSUMPTION**: DC 19V 50W / .417A
- **HDMI**: 2
- **COMPONENT YPBPR**: 1*
- **COMPOSITE (AV)**: 1*
- **VGA**: 1
- **RF COAXIAL ANTENNA**: 1
- **S-VIDEO**: 1
- **USB**: 1
- **RS-232**: 1*
- **IR INPUT**: 1 (Mono)
- **IR OUTPUT**: 4 (Mono)
- **PC AUDIO IN**: 1
- **VARIABLE**: 2
- **PHOENIX TYPE SPEAKER OUTPUT**: 2 x 5W @8Ω/ channel
- **INTERNAL SPEAKERS**: None
- **PRODUCT DIMENSIONS**: 28" w x 17 3/4" h x 3" d
- **ROUGH OPENING SIZE**: 27 1/8" w x 16 7/8" h
- **COMPATIBLE BACK BOX AND POWER CABLE**: BB-27 with 50' Low-Voltage Power Cable
- **CERTIFICATIONS AND COMPLIANCE**: FCC, MET
- **WARRANTY**: Séura’s labor for three (3) years; glass, structure, frame, and assembly for three (3) years; TV including remote and power supply for two (2) years.
- **REMOTE**: Séura IR Remote Control
- **COMPATIBLE BACK BOX AND POWER CABLE**: BB-27

*Mini jack connection on TV, product includes adapter cables.
Back box and power cable sold separately. Back box and cable are required for all Hydra indoor waterproof TVs.
Schematic: 19” Model

19” [482.6] GLASS DIMENSION

13 1/4” [336.6] GLASS DIMENSION

19” SCREEN LOCATION

9 7/8” [250.8] SCREEN DIMENSION

15 15/16” [404.9] SCREEN DIMENSION

3 3/16” [81] TOTAL UNIT DEPTH

NOTE: PLEASE SIGN AND DATE THIS PAGE BEFORE RETURNING TO SEURA, SIGNIFYING YOU AGREE TO ALL SPECIFICATIONS SHOWN ON ALL DRAWING SHEETS. THE BUILD PROCESS WILL NOT BEGIN WITHOUT AN AUTHORIZED SIGNATURE. FOR DRAWINGS THAT REQUIRE REVISIONS, SEND THE REVISIONS TO SEURA NOTED ON THE ORIGINAL DRAWINGS. A REVISED DRAWING PACKAGE WILL BE RE-SENT FOR SIGNATURE.

TOLERANCES

FRACTIONAL: 1/8”
ANGULAR: 1.0
TWO PLACE DECIMAL: .03”
THREE PLACE DECIMAL: .015”

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF THE MANUFACTURER. ANY REPRODUCTION IN PART, OR AS A WHOLE, WITHOUT THE WRITTEN PERMISSION OF MANUFACTURER, IS PROHIBITED.
(1) CREATE ROUGH OPENING

(2) INSTALL BACK BOX INTO ROUGH OPENING

(3) VERIFY FUNCTIONALITY & APPLY SEALANT

(4) FINAL INSTALLATION

19" [482.6] GLASS DIMENSION

18 1/8" [469.9] WALL OPENING

1/4" [6.4] GLASS DIMENSION

3/8" [9.5] WALL OPENING

3/16" [4.8] SEALANT AROUND THE GLASS

MOUNT BACK BOX TIGHT TO THE FINISHED WALL SURFACE

SECTION A-A

MOUNTING LOCATION SHOWING SUPPLIED HARDWARE

SEALANT BEFORE UNIT IS ENGAGED

SEALANT AFTER UNIT IS ENGAGED

PULL OUT EXTRA LENGTH OF EACH OF THE A/V AND POWER CABLES, ATTACH THEM AND TEST THE UNIT FOR FULL FUNCTIONALITY PRIOR TO ADDING SEALANT TO THE BACK OF THE GLASS

BRING ALL A/V AND ELECTRICAL CONNECTIONS UP INTO THE BOTTOM OF THE BACK BOX'S OPENING FROM INSIDE THE WALL CAVITY PRIOR TO INSTALLING LCD UNIT.

VERIFY THAT SEALANT IS SURROUNDING THE ENTIRE PERIMETER OF THE GLASS FACE.

WITH THE SEALANT AROUND THE GLASS, INSERT THE LCD ASSEMBLY INTO THE BACK BOX MOUNTING THAT HAS BEEN ALREADY INSTALLED, SLOWLY COMPRESS THE ADHESIVE UNTIL THE BACK OF THE GLASS IS TIGHT AGAINST THE WALL SURFACE. VERIFY THAT SEALANT IS SURROUNDING THE ENTIRE PERIMETER OF THE GLASS FACE.

AFTER VERIFYING THE A/V AND ELECTRICAL CONNECTIONS APPLY A LIBERAL ENOUGH AMOUNT TO SURROUND THE OUTER LIP OF GLASS THAT SURROUNDS THE BLACK METAL HOUSING NOTING THE MANUFACTURES DESIGNED USAGE.

VERIFY FUNCTIONALITY & APPLY SEALANT

CREATE ROUGH OPENING

INSTALL BACK BOX INTO ROUGH OPENING

VERIFY FUNCTIONALITY & APPLY SEALANT

FINAL INSTALLATION

Schematic: 19” Model
Schematic: 27” Model
**STEP 1: CUT ROUGH OPENING & INSTALL BACKBOX**

**STEP 2: VERIFY TV FUNCTIONALITY**

**STEP 3: APPLY SEALANT & INSERT TV ASSEMBLY**
LIMITED PRODUCT WARRANTY

The Limited warranty policies of Séura, Inc. ("Séura") shall apply to all equipment or software manufactured by or for Séura in the name of Séura or owned by Séura as of the date of sale to any authorized Séura distributor and/or product reseller. These warranty policies may be modified by Séura from time to time. Copies of the standard limited warranties then in effect for a particular Product will be made available upon request from Séura or on www.seura.com/warranty. This warranty is valid only with respect to Product sales in the U.S. and Canada. If any Product fails to work or operate properly because of a defect in materials or workmanship, Séura will, at its option, either: (a) repair the Product with new or refurbished parts onsite or at Séura's factory, including Séura's labor if applicable; or (b) replace the Product with a new or refurbished Product; or (c) if repair or replacement is not commercially feasible, refund an amount equal to the actual cost of the current MSRP (as defined by the remainder of the warranty period). The remedy chosen will be in good faith and at the discretion of Séura. In no event will Séura be responsible for any costs related to installation and/or removal of Product. Séura warrants its Products as set forth below, which warranty periods shall start and run from the date of Séura's sale of the Product:

**Lighted Mirrors** (excluding Select Lighted Mirrors) with respect to Séura's labor, glass, structure, and assembly for three (3) years; electrical and LED light strips for five (5) years.

**Select Lighted Mirrors** with respect to Séura's labor, glass, structure, and assembly for one (1) year; electrical and LED light strips for three (3) years.

**SMART Mirrors, Alexa Mirrors, and Bluetooth® Mirrors** with respect to Séura's labor, glass, structure, and assembly for one (1) year; electrical and LED light strips for three (3) years. Indoor and Outdoor Mirrors replacement or pre-authorized packaging. Customer assumes all risk, and costs, including credit card information will be collected before shipment of the replacement Product. The customer must follow return instructions below to send the damaged Product back to Séura's factory. Credit card information will be collected before shipment of the replacement Product. Onsite service is available in the United States during normal business hours Monday – Friday, unless other special circumstances exist and special arrangements are made.

**Factory Service:** Séura will work with the customer to schedule a convenient time for onsite service. Parts may be sent to the customer's location. Onsite service is available in the United States during normal business hours Monday – Friday, unless other special circumstances exist and special arrangements are made.

**Advanced Replacement:** If Technical Support determines the Product must be replaced, Séura will ship a new Product to the authorized reseller, installer or customer's address. The customer must follow return instructions below to send the damaged Product back to Séura's factory. Credit card information will be collected before shipment of the replacement Product. If Séura does not receive the original Product back within thirty (30) days of shipping the replacement Product, the credit card on file will be charged at full MSR. This warranty does not cover removal or installation costs of Products.

**Warranty Disqualifiers.** This Limited Warranty only extends to, and runs for the benefit of, the original purchaser of the Product and only covers a Product purchased new. All warranty claims must be submitted together with original proof of purchase and any Product subject to a warranty claim must retain its original Séura serial number. Séura reserves the right to require any warranty claimant to produce the original purchase receipt or other original purchase date proof as may be reasonably required by Séura to verify the Product's warranty eligibility. Séura shall have no liability with respect to Products whose serial number has been removed, defaced, replaced, or otherwise tampered with in any manner. Séura reserves the right to examine all failed component parts and determine, in its sole discretion, whether any component parts are defective and covered under warranty.

**LIMITATION OF LIABILITY.** The EXPRESS LIMITED WARRANTIES SET FORTH HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. SéURA WILL NOT BE LIABLE FOR ANY DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECT IN THE PRODUCT, DAMAGES BASED ON INCONVENIENCE, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF THE CUSTOMER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SÉURA WILL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR LIABILITY OR ANY DIRECT, INCIDENTAL, INDIRECT, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR MISUSE OF A PRODUCT, OR ARISING OUT OF ANY BREACH, BY THE PURCHASER OF A PRODUCT, OF THIS LIMITED WARRANTY. SÉURA SHALL NOT BE LIABLE FOR ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY. SÉURA SHALL NOT BE LIABLE FOR ANY VERBAL WARRANTY ASSURANCES MADE BY ANY EMPLOYEE OR AUTHORIZED DISTRIBUTOR, RESELLER OR INSTALLER THAT CONFLICTS WITH OR AMENDS THE WRITTEN WARRANTY HEREIN. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON HOW LONG AN IMPLIED LIMITED WARRANTY LASTS, SO THE EXCLUSIONS MAY NOT APPLY TO A PARTICULAR PURCHASER. NOTWITHSTANDING ANYTHING TO THE CONTRARY, SÉURA'S MAXIMUM AGGREGATE LIABILITY RELATED TO ANY WARRANTY CLAIM OR WITH RESPECT TO A PRODUCT SHALL NOT EXCEED THE THEN CURRENT SÉURA WHOLESALE PRICE OF THE SPECIFIC PRODUCT FROM WHICH THE CLAIM DERIVES.

NOTICE OF ANY WARRANTY CLAIM MUST BE RECEIVED BY SÉURA, IN WRITING, PRIOR TO THE EXPIRATION OF THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. THE WARRANTY APPLIES ONLY FOR THE PERIODS SET FORTH ABOVE.

**Warranty Procedure.** A warranty claimant must contact Séura at 920-857-9069 for a diagnostic. Please have your Product receipt available. At that time, Séura will provide technical support over the phone to attempt to fix the problem. If unsuccessful, a Séura Representative will determine if the Product will be serviced onsite, replaced, or returned to Séura's factory in Green Bay, Wisconsin for repair. If Séura determines that the Product is not covered under the warranty or damaged in shipping, Séura will notify and inform the purchaser of service alternatives that are available on a fee basis.

**Toll-Free Technical Support:** Please call 1-800-957-3872 to speak with a Séura Technical Support Representative. Séura Technical Support representatives are available Monday-Friday, 8:00am-4:30pm Central Time.

**Onsite Service:** If Technical Support determines the problem may be fixed onsite, a Séura service representative will be scheduled within 24 hours to service the unit. A Séura representative will provide technical support over the phone to attempt to fix the problem. If unsuccessful, a Séura Representative will determine if the Product will be serviced onsite, replaced, or returned to Séura's factory in Green Bay, Wisconsin for repair. If Séura determines that the Product is not covered under the warranty or damaged in shipping, Séura will notify and inform the purchaser of service alternatives that are available on a fee basis.

**Factory Service:** If Technical Support determines the Product must be sent back to Séura's factory for repair, the customer must follow return instructions below. Séura will ship the replacement Product to the authorized reseller, installer or customer's address. The customer must follow return instructions below to send the damaged Product back to Séura's factory. Credit card information will be collected before shipment of the replacement Product. If Séura does not receive the original Product back within thirty (30) days of shipping the replacement Product, the credit card on file will be charged at full MSR. This warranty does not cover removal or installation costs of Products.

**Advanced Replacement:** If Technical Support determines the Product must be replaced, Séura will ship a new Product to the authorized reseller, installer or customer's address. The customer must follow return instructions below to send the damaged Product back to Séura's factory. Credit card information will be collected before shipment of the replacement Product. If Séura does not receive the original Product back within thirty (30) days of shipping the replacement Product, the credit card on file will be charged at full MSR. This warranty does not cover removal or installation costs of Products.

**Return Instructions:** If return is necessary, Séura will issue a return goods authorization (RGA) number and, if applicable, specific return and shipping instructions. A Product will not be accepted for Return by Séura unless the original Proof of Purchase and RGA number are present with the Product along with its original packaging materials. If original packaging is not available, please contact Séura to receive authorized replacement packaging. Packages not bearing the issued returned goods authorization number will not be accepted by Séura and will be returned to sender. In addition to the Product, the package must include the warranty claimant's original sales receipt for the purchase of the Product. All Product returns shall be received by Séura, at 1230 Green Bay Rd, Green Bay, WI 54311 with prepaid freight by the warrant claimant. Séura shall not be responsible for, and the warranty claimant assumes and retains all such responsibility, any damage or loss or of the Product during shipment to and from Séura as the result of any warranty claim.

**Exclusive Remedy.** This Limited Warranty sets forth the exclusive remedies of a warranty claimant, and the exclusive liabilities and obligations of Séura, with respect to allegations of a defective Product.

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