

ad notam®

HIDDEN TECHNOLOGY – TECHNOLOGY BECOMES INVISIBLE.

MIRROR TV



OWNER'S MANUAL

ASCENT

For On Wall Installation

Register your product and get support at: www.ad-notam.com

INTRODUCTION

Thank you for choosing ad notam.
You acquired a high-quality product; ad notam means supreme technology and design.

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Register your product and get support at: www.ad-notam.com

SAFETY

To prevent damages to your ad notam product or injury to yourself or to others, read the safety instruction in their entirety before installing and operating the product. Keep these safety instructions where all those who use the product will read them. Warranty will be null and void for any damage resulting from installation and operation not respecting these instructions.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Refer all servicing to qualified personnel.



THIS ICON MARKS WARNING

It indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.



THIS ICON MARKS WARNING

It indicates important literature concerning operation and maintenance. To prevent possible injury, read all warnings before using this product.



THIS ICON MARKS CAUTION

It indicates important literature concerning operation and maintenance. To prevent the spread of fire, keep candles or other open flames away from this product at all times.

WARNINGS

- ⚠ **LIQUIDS.** Never expose the product to rain or water. Never place liquid containers, such as vases, near the product. If liquids are spilt on or into the product, disconnect it from the power outlet immediately. Contact your authorized dealer immediately to have the product checked before use.
- ⚠ **GLASS.** Parts of this product are made out of glass. Handle with care to avoid injury or damage.
- ⚠ **HANDLING.** Parts of this product are made out of glass and sharp material. Always wear safety shoes and gloves when handling the products or its packaging.
- ⚠ **HANDLING.** ad notam products are made of heavy components. Two or more people may be needed to transport large goods. When handling the goods make sure to separate and disconnects all parts before any movement. Do not put stress on the LCD nor glass / mirror. Prepare the environment properly to gently accommodate any item on adequately soft and cushioned surface.
- ⚠ **GLASS.** The corners and edges of the glass / mirror are very delicate. Take care that they do not hit the wall, ceiling or floor in any way to avoid damages and split-offs.
- ⚠ **ELECTRICITY.** To avoid electric shock, never touch the inside of this product. Refer to a qualified technician.
- ⚠ **ELECTRICITY.** Do not overload wall outlets, extension cords or adaptors above their capacity, since this can result in fire or electric shock.
- ⚠ **ELECTRICITY.** Before you connect the product to the power outlet ensure that the power voltage matches the value printed on the back of the product. Never connect the product to the power outlet if the voltage is different. The unit is rated to be connected to a mains with rating max. 16 A".
- ⚠ **ELECTRICITY.** To disconnect the product from the mains power, the power plug of the product must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.
- ⚠ **IRREGULAR OPERATION.** If this product does not operate normally, in particular, if there are any unusual sounds or smells coming out of it, unplug it immediately and contact an authorized dealer or service center.
- ⚠ **WET ENVIRONMENT.** For installations in wet-rooms specific installation guidelines apply, which are to be seen in the context of placing a power adaptor outside of certain protection zones. These regulations differ by region. Please contact a specialist for this. In Germany electrical installations are to be performed by a skilled technician, while observing the regulations of the standard DIN VDE 0100 T.701.
- ⚠ **INDOOR USE.** The product is specifically designed for indoor use. There is danger of fire and of electric shocks and damage to the device if it is operated outdoors.
- ⚠ **VENTILATION.** Never insert objects into nor cover the ventilation slots or other openings on the product.
- ⚠ **HEAT SOURCES.** Do not place this product near or over heat sources or where it is exposed to direct sunlight. Never expose your product, remote control or batteries to excessive heat.
- ⚠ **FLAMABLE GAS.** Do not use in the presence of flammable gas, as this could result in explosion or fire.
- ⚠ **CHILDREN.** Keep out of reach of children. Failure to observe this precaution could result in injury.

CLEANING AND PRODUCT CARE

CLEANING. Use a soft damp cloth (cotton, flannel, etc.) and gently wipe the surface of the product. Wiping with a hard cloth or using strong force may scratch the surface of the product. Never touch, push, rub or strike the screen with any object.

CLEANING. Avoid using benzene, thinner and other solvents as they may deform the product and may cause the paint to peel off. Using a chemical cloth (wet/dry sheet type cloth, etc.) may cause damages and corrode the product. To avoid deformation and color fading, wipe off water drops as soon as possible.

OPERATION. Avoid static images on screen as much as possible. Static images are images that remain onscreen for extended periods of time. Static images include onscreen

menus, black bars, time displays, etc. If you must use static images, reduce screen's contrast and brightness to avoid screen damage.

ENVIRONMENT. On rare occasions, depending on temperature and humidity, minor condensation can occur on the inside of the glass front. To prevent this, do not expose the product to direct sunlight, heat or extreme humidity. If condensation occurs, it will disappear spontaneously after the product has played for a few hours.

ENVIRONMENT. The product must be stored in a dry and well ventilated room, without extreme temperature fluctuations. Heat sources and aggressive active substances may not be stored in the proximity of this product.

ENVIRONMENTAL

ad notam aims to design, produce, deliver and dispose eco-friendly products. Our environmental policy applies to the entire product lifecycle and business activities.



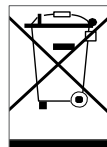
LOW STANDBY POWER

Our highly advanced power circuitry brings down power consumption to an extremely low level while in standby mode



EUROPEAN ENERGY LABEL

The European Energy Label informs you on the energy efficiency class of this product. The greener the energy efficiency class of this product is, the lower the energy it consumes. On the label, you can find the energy efficiency class, the average power consumption of this product in use and the average energy consumption for 1 year based on 4 hours' operations per day.



END OF USE

When this crossed-out wheeled bin symbol is attached to a product the product is covered by the European Directive 2002/96/EC. Inform yourself about the local separate collection system for electrical and electronic products. Act according to your local rules and do not dispose your old products with your normal household waste. Correct disposal of the product helps to prevent potential negative consequences for the environment and human health.

PRODUCT DELIVERY

GIFTBOX INSPECTION

You purchased a high end device. Verify gift box integrity before unloading the product. If damage is noticed inform your sales person and/or driver of the forwarder. Pictures will be required for the claim process. You can consult your reseller for additional information.

WHAT IS IN THE BOX

Please check the following contents for completeness before using the product.



MIRROR TV

Consisting of:

- 1- Ascent Screen
- 2- Wall Mounting Frame



OWNER'S MANUAL



SLIMLINE
IR REMOTE

MOUNTING YOUR AD NOTAM

BEFORE YOU START

Safety, environment, expert tips!

SAFETY

WARNINGS

- ⚠ **SAFETY.** To prevent damage to your ad notam product or injury to yourself or to others, read the safety instruction in their entirety before installing and operating the product. Keep these safety instructions where all those who use the product will read them. Warranty will be null and void for any damage resulting from installation and operation not respecting these instructions.
- ⚠ **WALL FIXINGS.** ad notam doesn't provide screws and dowels with this product. Consider the construction environment, wall type, product weight and positioning when selecting raw bolts or resin anchors.
- ⚠ **ORIGINAL MATERIAL.** Always use ad notam supplied wall brackets and original spare parts to perform installation.
- ⚠ **QUALIFIED PERSONNEL.** Electrical connections must be performed by qualified professionals respecting national regulations and standards.
- ⚠ **QUALIFIED PERSONNEL.** Mounting this product requires structural measures and special skills. Refer exclusively to qualified personnel.

ENVIRONMENT

ad notam products include bulky and delicate items. To prevent damages to your ad notam product or injury to yourself or to others, prepare the installation environment properly.

CAUTIONS

- ⚠ **ENVIRONMENT.** Clean the handling and installation environments properly before installation.
- ⚠ **HANDLING.** Handling ease requires proper planning. Verify size, turning angles, bumps and potential hurdles before handling.
- ⚠ **ENVIRONMENT.** ad notam mounting systems are engineered for vertical use only. Verify walls' verticality and items vertical and horizontal alignment to prevent serious injuries and product damage.
- ⚠ **HANDLING.** Cushions the floor properly using soft anti slip mats near the handling areas. Lay the items gently on these cushioned anti slip surfaces when needed.
- ⚠ **HANDLING.** Tilt the mirror and DFU top to the wall with an adequate angle of incidence when resting.

EXPERT TIPS

- ✓ **SCREEN PLACEMENT** The ideal distance to watch your display is 3 times its screen size diagonal with the eyes leveled at the screen center. Don't place the product under direct shining light.
- ✓ **TOOLS** ad notam products installation requires specific professional tools. Verify the following page for a comprehensive list.

MOUNTING YOUR AD NOTAM

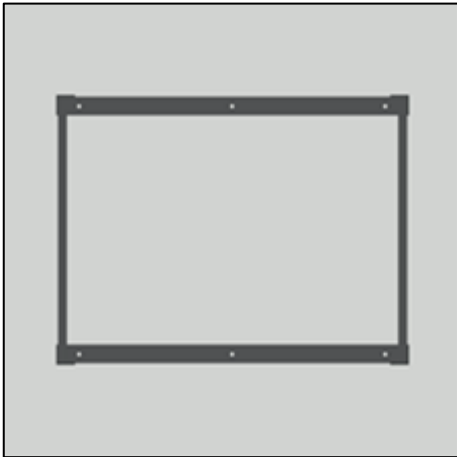
ON WALL MOUNTING

Only three steps to easily mount your ad notam solution.

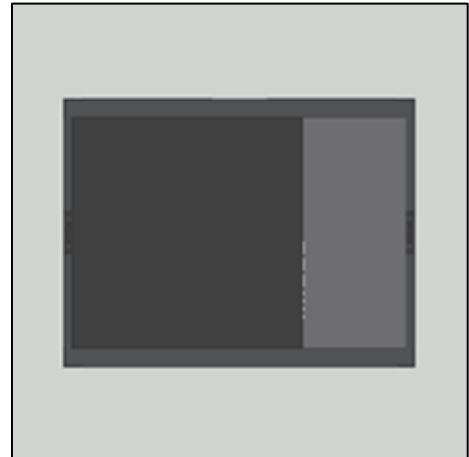
Your ad notam has been pre-assembled according to high standard. The product back view is visible in the following pages.

To determine the proper position of your ad notam on the wall follow the installation instruction provided in this manual. Refer to these pages during installation.

✓ EXPERT TIPS – TOOLS



WALL MOUNTING FRAME



ASCENT BACK VIEW



Power drill



Carpenter Pencil



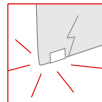
Level



Screwdriver Set
Philips Tip



Please read the safety precautions before positioning the product. Always use the supplied wall brackets and parts. Wall mounting this product requires special skills and should only be performed by qualified personnel. Electrical connections are to be performed by a skilled technician following local regulations. Two people are required to lift and carry a product that weights more than 25kg or 55lbs. ad notam does not guarantee the efficiency of screws and dowels delivered with this product. Those may be replaced on site considering the construction environment, type of wall, product weight and positioning. ad notam bears no responsibility for improper mounting or any mounting that results in accident or injury.

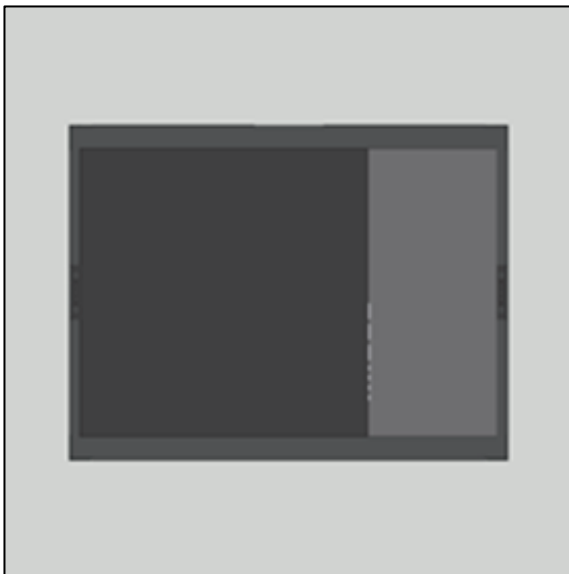


Please Note:

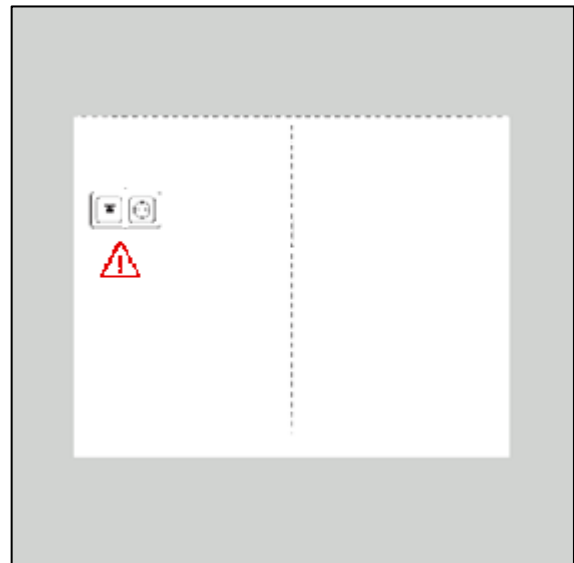
The corners and edges of the glass are very delicate. Take care that they do not hit the wall, ceiling or floor in any way to avoid damages and split-offs.

STEP 1 - WALL PREPARATION

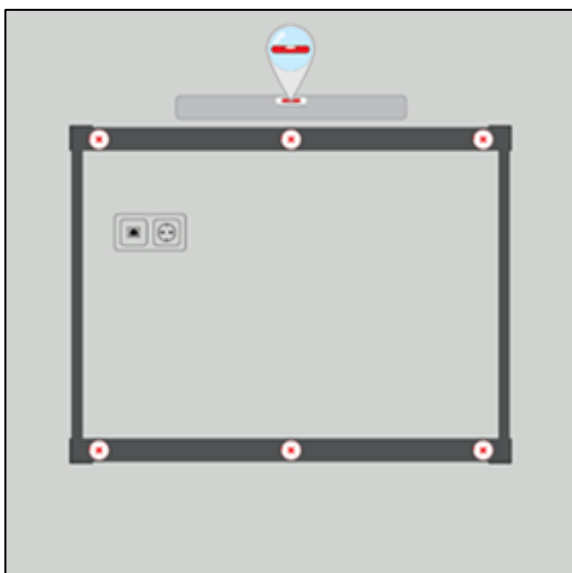
The following slides explain how to identify and mark the drilling points on the wall.



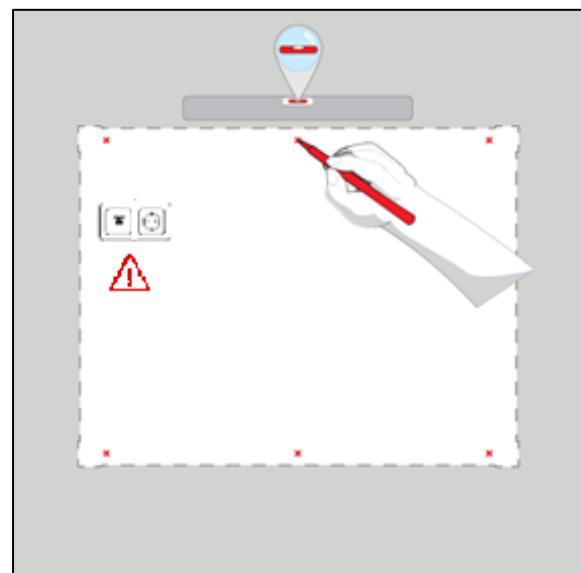
-1- ASSENT BACK VIEW



-2- AD NOTAM POSITION AND UPPER EDGE



-3- WALL MOUNTING FRAME



-4- DRILLING POINTS

1. Select your ad notam position on the wall and identify the center of the crystal upper edge.
2. Plot an Horizontal line on the wall, start crossing the previously marked point. Use the level to verify horizontal alignment.
3. Take the **WALL MOUNTING FRAME** and position it against the wall aligning the upper edge with the projected line. Use the level to double check horizontal and vertical alignment and mark the visible drilling points, 3 on the top and 3 on the bottom.
4. To easily identify drilling points review the picture above.

⚠ Before starting, evaluate sockets & plugs depth and position. The ASCENT back panel has been engineered to accommodate cables, wires and other small items on its left side.

STEP 2 - WALL BACK PLATE INSTALLATION

The following slides explain how to secure the WALL BACK PLATE to the wall.

⚠ **ARCHITECTURAL** Structural measures must be accomplished for an on-wall installation. ad notam declines any liability for the screws and screw anchors used on site.

⚠ **ENVIRONMENT.** ad notam mounting systems are engineered for vertical use only. Verify walls' verticality and items vertical and horizontal alignment to prevent serious injuries and product damage.

⚠ **ENVIRONMENT.** Clean the handling and installation

✓ **EXPERT TIPS.** Before proceeding with the final assembly evaluate your installation requirements. Your own unique ad notam has been pre-assembled at factory and additional items, wiring and connections need to be performed on site. Evaluate your handling clearance considering cables length and connections. Cushion the handling area properly using soft anti-slip mats. Lay the items gently on these cushioned anti slip surfaces when needed.

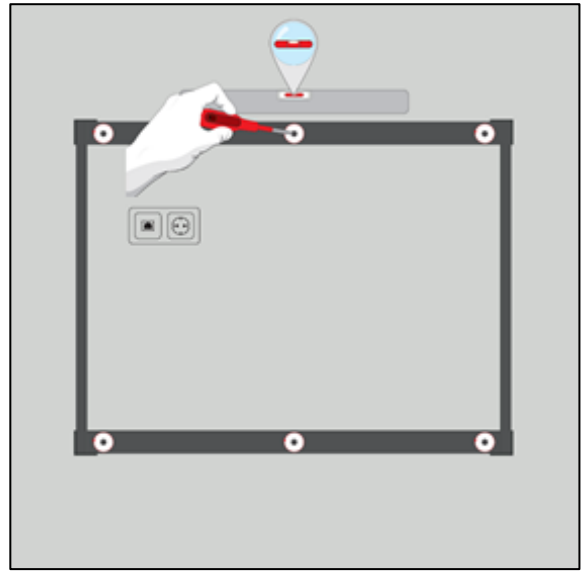
environments properly before installation.

⚠ **ELECTRICITY.** Do not overload wall outlets, extension cords or adaptors above their capacity, since this can result in fire or electric shock.

⚠ **ELECTRICITY.** Before you connect the product to the power outlet ensure that the power voltage matches the value printed on the back of the product. Never connect the product to the power outlet if the voltage is different.



-1- DRILL AT THE MARKS



-2- SECURE THE WALL MOUNTING FRAME

1. You marked all drilling points on the wall. Drill at the marks and proceed adding the appropriate screw anchors.
2. Secure the **WALL MOUNTING FRAME**. Verify other screws anchors alignment before firmly locking the first screw. Proceed with the other screws mirroring their position on the top and bottom side.

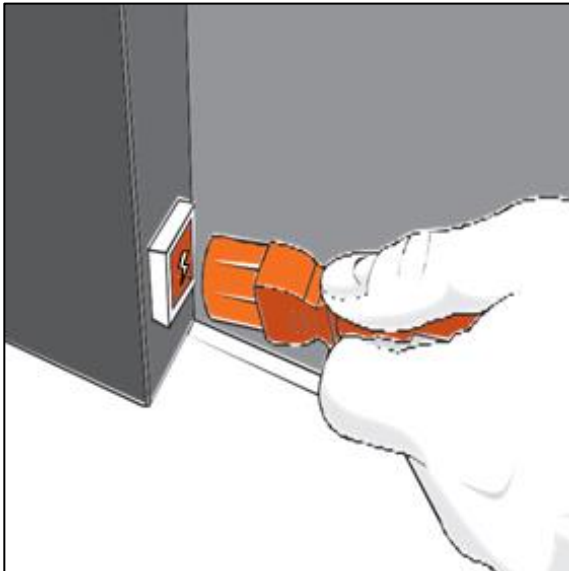
✓ **EXPERT TIPS**

Before proceeding with the final assembly, connect and test your product.
Review **CONNECT YOUR PRODUCT** of the following **OWNER'S MANUAL** for additional information.

STEP 3 - FINAL ASSEMBLY

The following slides explain how to finalize the installation.

You prepared the wall marking the points, installed the necessary items, tested and secured the WALL BACK PLATE. After cleaning the installation environment you can proceed with the final assembly.



-1- PLUGS & POWER



-2- LIFT , SLIDE-IN & SECURE



-3- READY

1. Connect power and the necessary input source (eg. HDMI, VGA, etc.)
2. Lift the ASCENT and gently align it with the WALL BACK PLATE. Slide the ASCENT in the WALL MOUNTING FRAME and secure screwing the locking bolts, 2 on the top and 2 on the bottom.
3. Ready.

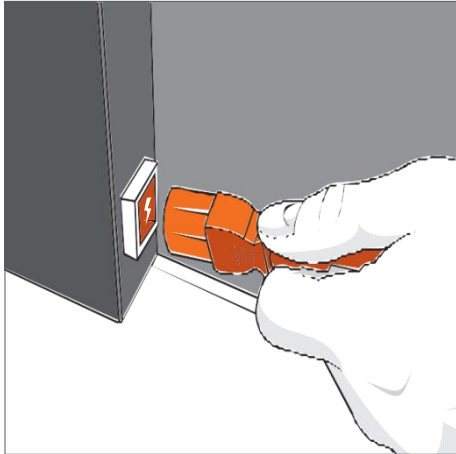
To properly identify the locking bolts position, review the slides above.

CONNECT YOUR PRODUCT

✓ **EXPERT TIPS.** Disconnect the mains power before connecting any of the inputs below.

POWER CABLE

Insert the power cable into the AC socket of the product. Make sure the power cable is securely and fully inserted. Make sure that the power plug in the wall socket is accessible at all times. When disconnecting the power cable, always pull the plug, never the cable.

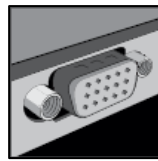


AUDIO/VIDEO



HDMI 1/2/3

HDMI has the best picture and sound quality. HDMI combines video and audio signals for High Definition (HD) signals. For best signal quality transfer, use a high speed HDMI cable not longer than 5m.



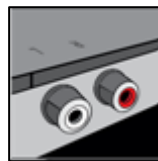
VGA IN (not available for all models)

VGA is an analog video connection for PC's and laptops. Do not use for Full High Definition signals. Combine sound using LINE AUDIO input port.



COMPONENT IN (Y/PB/PR)

Component Video YPbPr is a high quality connection. The YPbPr connection can be used for High Definition (HD) signals. For sound please use the LINE AUDIO Input port.



AUDIO IN (L/R)

Used with the COMPONENT IN port.

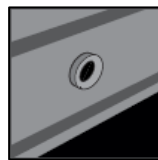


USB

You can view photos or play your music and videos from a connected USB flash drive. Insert a USB flash drive into the USB port of your product and select the USB input.

⚠ To access the USB port after installation it is highly recommended to install a USB EXTENSION CABLE.

⚠ The USB input is DISABLED by default. Use On Screen Display (OSD) menu (SERVICE SETTINGS) in order to activate it.



AUDIO OUT

Use this output to connect an external audio power amplifier or amplified loudspeakers. This output is working in parallel with the speaker out port and follows the screen's volume level changes.

CONNECT YOUR PRODUCT

✓ **EXPERT TIPS.** Disconnect the mains power before connecting any of the inputs below.

EXTERNAL CONTROL



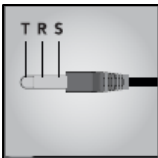
IR IN

An external IR receiver might be needed in some applications. Once needed please connect it to the IR In port.

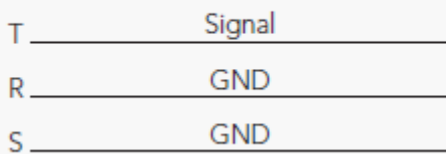


IR OUT2 (LED)

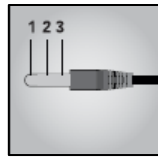
An external IR emitter might be needed in some applications. This output will loop-through all IR signal received by the built-in IR receiver and will allow controlling external devices. Once needed please connect it to the IR out (LED) port.



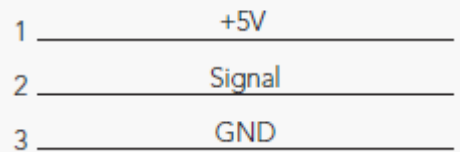
Connection Diagram



⚠ When an external IR Receiver is connected to the IR In port, the screen's built in IR receiver is disabled. Use only the IR receiver supplied with your product. Using other IR receivers may damage your product.



Connection Diagram

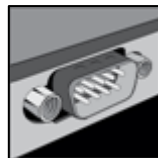


⚠ Use this port once the external device is equipped with an IR Input socket. Due to lack of standard for IR cable connection please consult with your external device provider for compatibility before making any connection.



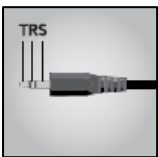
IR OUT 1 (CABLE)

An external IR emitter might be needed in some applications. This output will loop-through all IR signal received by the built-in IR receiver and will allow controlling external devices. Once needed please connect it to the IR out (CABLE) port.

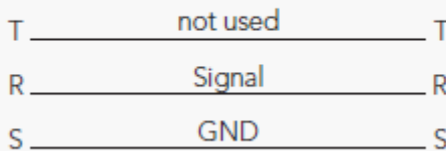


RS232

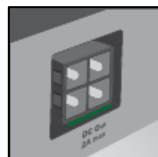
The RS232 port can be used by external devices (eg. home automation). IR commands received by in-built IR receiver generate a feedback string for RS 232. RS232 default baud rate is 34800. For more info visit our website at: www.ad-notam.com



Connection Diagram



⚠ Use this port once the external device is equipped with an IR receiver. Locate its position and attach the IR emitter in front of it. Use only the IR emitter supplied with your product. Using other IR emitter may damage your product.



DC OUT (5V/12V) (not available in all models)

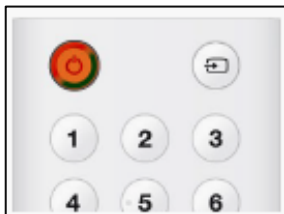
Use this output to feed DC power to SINGLE external playout devices (DTB, IPTV, etc.)

⚠ Use on screen display (OSD) menu (SERVICE SETTINGS) in order to (de) activate this port.

⚠ The DC OUT port is designed to be used with SINGLE playout device. Never connect more than one device.

⚠ The DC OUT port will feed 5VDC or 12VDC device utilizing 2A MAX. Never connect a device whose power output differs from the above specifications.

USE YOUR SCREEN



SWITCH ON/OFF

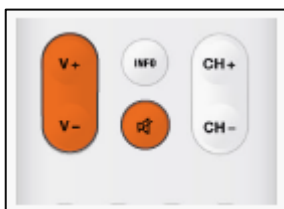
Make sure you plugged in the mains power on the back of your product or to the external power adapter before trying to switch ON. Make sure your remote is equipped with batteries and that its LED indicator is lighting once a button is pressed. Once power is applied to your screen it will first power to STANDBY mode and its front status LED will turn red. Once turned ON the status LED will change color to green, the boot logo will appear and the last selected INPUT SOURCE will be displayed. Use you remote's power key to switch between ON and STANDBY mode.



SELECT SOURCE

With the remote's source key you can open the on- screen INPUT SOURCE list and switch to your desired source using the up and down cursor keys followed by the OK key. In order to close the on-screen INPUT SOURCE list without changing your current source please press the exit key.'

⚠ The INPUT SOURCE list will show only ENABLED inputs. By factory default the USB input is DISABLED. In order to have more info on how to enable and disable inputs please refer to the SETTINGS section in this manual.



ADJUST THE VOLUME AND MUTE

In order to adjust the sound volume please use the volume up and volume down keys. The mute key will toggle between mute mode (no sound) and un-mute mode (restores last volume level). Once in mute mode amute icon will be displayed on screen.



SCREEN SLEEP TIMER

With the sleep timer, you can set the screen to switch to STANDBY automatically after a preset time.

To set the sleep timer press the sleep key to toggle between the following presets: OFF, 15min, 30min, 45min, 60min, 90 min and 120min.

You can always switch off your screen earlier during the timer countdown.



CHANGE IMAGE FORMAT

Adjust the image format to suit your preference using the **aspect** button.

The aspect ratio presets are:

16:9, 4:3, Zoom1, Zoom2 and Zoom 3.



USB MEDIA PLAYBACK

The playback keys are used to control the media player assigned to the USB port. Those keys are available only in our **SLIMLINE IR REMOTE** model.

ON SCREEN DISPLAY (OSD MENU)

ON SCREEN DISPLAY (OSD) MENU

All screen settings are done via the on screen display (OSD) menu. To access this menu please use the setup key. The OSD menu includes settings for: Image, Display, Audio, OSD, Setup and Service.

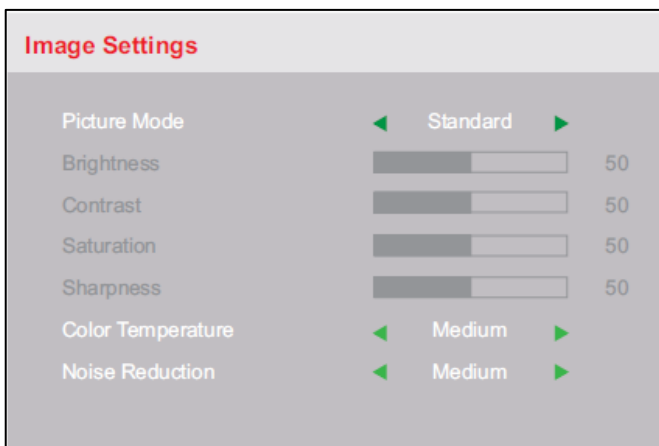


OSD NAVIGATION

The up, down, left and right keys are used in order to navigate within the OSD menu. To change settings use the left and right keys. To go back one step use the setup key. To confirm use the OK key. To close the OSD menu use the exit key.



SCREEN IMAGE SETTINGS



PICTURE MODE

Define the picture mode, choose from standard, dynamic, mild or user. In user mode the settings for brightness, contrast, saturation and sharpness may be adjusted manually.

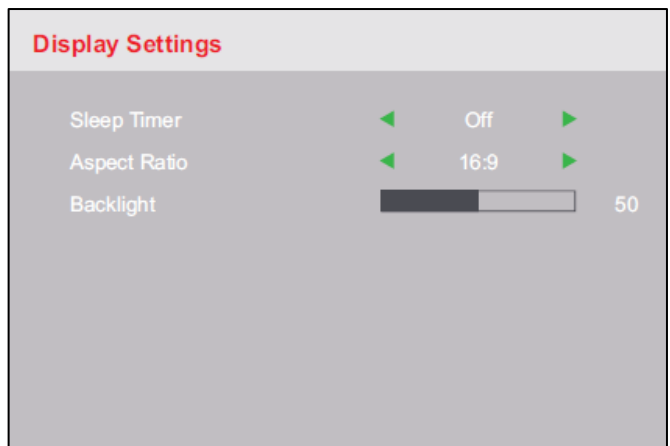
NOISE REDUCTION

Define the noise reduction, choose from off, low, medium or high.

COLOR TEMPERATURE

Define the color temperature, choose from cool, medium or warm.

DISPLAY SETTINGS



SLEEP TIMER

Determine a time span after that the screen should turn off automatically; choose from off, 15min, 30min, 45min, 60min, 90min or 120min.

BACKLIGHT

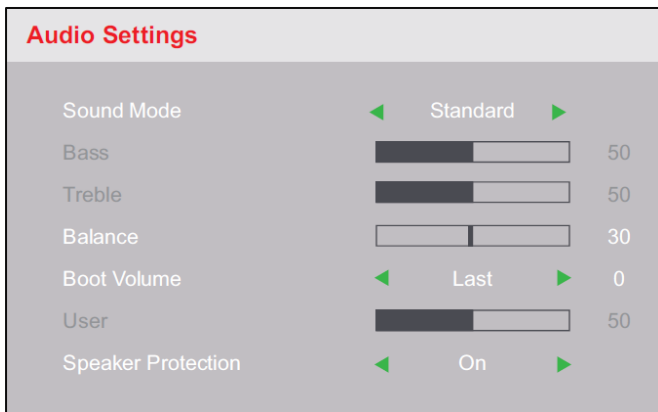
Adjust the general brightness of the backlight, choose from 20% up to 100%.

ASPECT RATIO

Define the image aspect ratio, choose from 16:9, 4:3, Zoom 1, Zoom 2 or Zoom 3 (ASCENT).

ON SCREEN DISPLAY (OSD MENU)

SCREEN AUDIO SETTINGS



SOUND MODE

Define the sound mode according to your preferences; choose from standard, music, movie, sports or user. In user mode the settings for bass and treble may be adjusted manually.

BALANCE

Adjust the balance between the left and the right speaker, choose from -50 (totally left) to +50 (totally right).

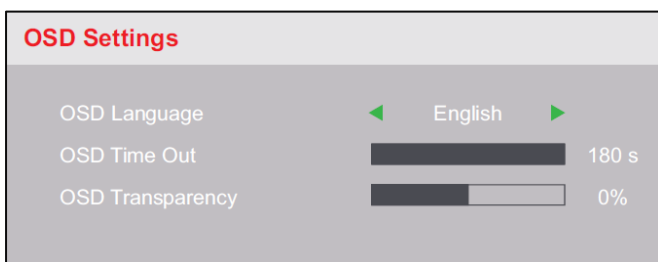
BOOT VOLUME

Define a volume range at startup when your screen is switched ON, choose from last or user. In user mode the startup volume level can be manually defined between 0% (no sound) up to 100% (full volume level).

SPEAKER PROTECTION

(De)activate the speaker protection that limits a quick increase in volume to be passed on to the speaker output port in order to prevent damages to the speakers.

SCREEN OSD SETTINGS



OSD LANGUAGE

Define the OSD menu language; choose from English, Español, Français, Deutsch, Português, Italiano.

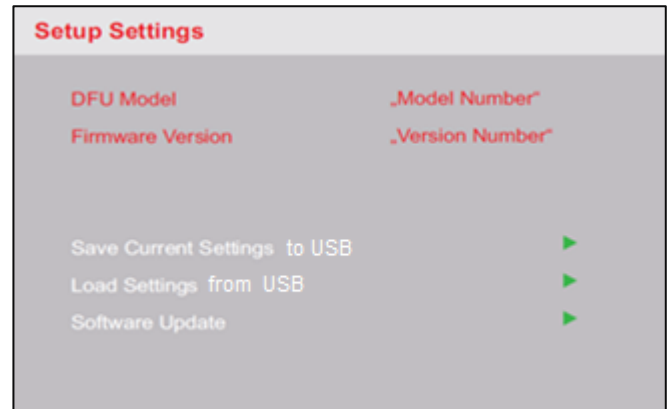
OSD TRANSPARENCY

Set the transparency of the OSD menu; choose from 0%, 25%, 50% or 75%.

OSD TIME OUT

Determine a time span after that the OSD menu fades out automatically; choose from 15s, 30s, 60s or 180s.

SCREEN SETUP SETTINGS



SAVE CURRENT SETTINGS TO USB

Transfer your individual device settings to a USB stick. Connect a USB stick to the corresponding input of the Screen. Select "save current settings to USB" and confirm "Save settings?" with "Yes".

LOAD SETTINGS FROM USB

Load previously saved device settings from a USB stick. Connect a USB stick to the corresponding input of the Screen. Select "Load Settings from USB" and confirm "Overwrite existing settings?" with "Yes". This will overrule your current settings.

SOFTWARE UPDATE

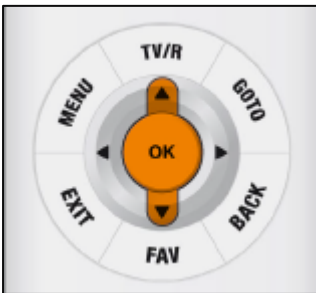
Use this feature in order to update the screen's software (firmware) version via a connected USB flash drive.

⚠ Please make sure that the software file on the USB flash drive is the correct version for your screen. Please notice that every screen size has dedicated software file. Once there is no USB flash drive connected, an error message will appear: Can't detect USB.

SERVICE SETTINGS

Service settings are password protected and normally should be used by an authorized technician only. The SERVICE SETTINGS parameters are spread over multiple menu pages.

⚠ The default password for the service settings menu is "1234", this may be modified within the SERVICE SETTINGS menu. Please notice that the password digits should NOT be entered using the numeric keys on your remote control! Please use up and down keys to change a digit followed by the OK key to confirm.



Service Settings			
Boot Power Option	◀	Last	▶
OSD Access	◀	On	▶
Start Logo	◀	On	▶
IR Address Code	◀	0	▶
Input Scan	◀	Off	▶
Signal Loss Timer	◀	120	▶
Volume Limit	◀	100	▶
Next Page			▶

BOOT POWER OPTION

Determine the recovery power mode of the screen after a power interruption, choose from Last, Standby, Power On or Instant.

OSD ACCESS

(De)activate the ability to see the OSD menu once setup key is used. NEVER set this parameter to OFF unless you are provided with a special service password by ad notam

⚠ If the OSD menu is set to OFF (deactivated), users will not be able to access the OSD menu anymore without a special service password! This special service password will be provided by ad notam to an authorized technician only upon a written request.

START LOGO

(De)activate the "ad notam" start-up logo that shows on booting.

IR ADDRESS CODE

In order to control a single screen in a multi-screen installation both the screen and the IR REMOTE are needed to be set up for a dedicated IR address, otherwise a single remote will affect all screens. You can set a unique IR address code for the screen according to your preferences, choose from value of "0" up to "254". The default (master) IR address code is "0". To set an IR address on a Waterproof IR Remote please press and hold both learn and power keys simultaneously until the remote's LED indicator lights constantly. While the LED indicator lights constantly press and release a sequence of 3 numeric keys matching your new IR address (address codes "000" to "254" are available).

INPUT SCAN

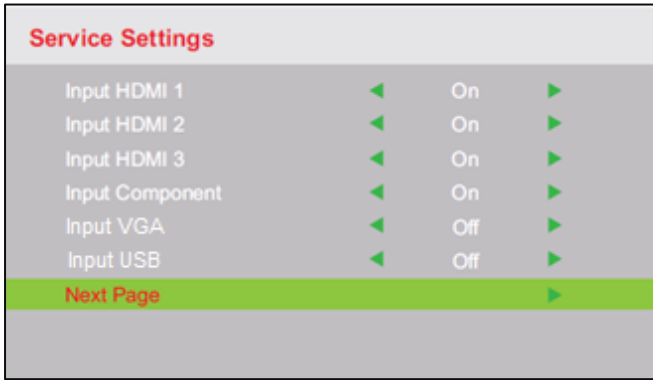
(De)activate the automatically scan of the input ports for a valid video signal. Once there is no video signal at the currently selected input port the screen will search for a video signal on the other ports by the following sequence: HDMI 1 > HDMI 2 > HDMI 3 > Component > HDMI 1... and so on (See also SIGNAL LOSS TIMER).

SIGNAL LOSS TIMER

Set a time span for how long the input scan should be performed once a video signal is not present on current selected input port. Choose from 5s, 10s, 30s, 60s or 120s. The screen will switch to STANDBY mode if no video signal is present within the chosen time. If signal loss timer is set OFF the search will continue indefinitely or until a signal is present again.

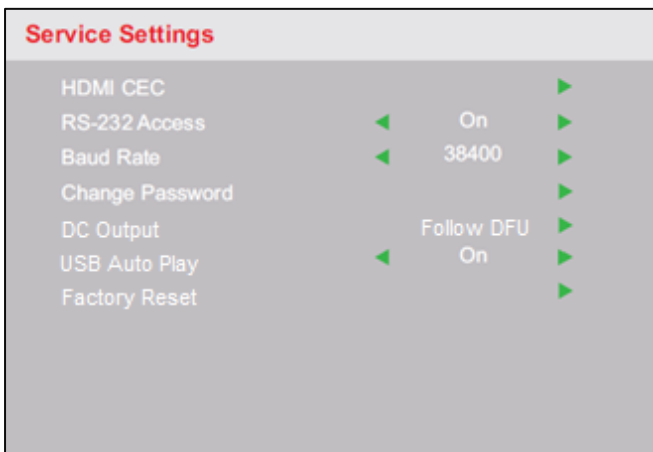
VOLUME LIMIT Determine the maximum volume level value, choose from value 0% (no sound) up to 100% (full volume level).

SERVICE SETTINGS



INPUT HDMI 1 INPUT HDMI 2 INPUT USB

Enables or disables the selected input port. Once an input port is set OFF it will not be accessible in the INPUT SOURCE list activated by the source key. Please notice that if the USB input port is set OFF it will not affect the software update functionality as it is always possible.



HDMI CEC

(De)activate the HDMI CEC functionality of the screen. Watch the device list of connected compatible devices and (de)activate the auto standby function.

RS232 ACCESS

(De)activate the RS-232 functionality. With RS-232 communication the screen can be integrated with external systems like home automation control system, building management control systems or hospitality TV systems. For more information regarding the RS232 protocol for this product please visit our website at: www.ad-notam.com

BAUD RATE

Set the screen's RS232 communication baud rate to your preferred value, choose from 9600, 19200 or 38400. By default the baud rate is 38400.

CHANGE PASSWORD

Use this feature to change the password allowing access to the SERVICE SETTING menu pages.

DC OUTPUT

Use this feature to feed DC power to SINGLE external playout devices (DTB, IPTV, etc.) through the provided extension cable available in your WALL BACK PLATE. Select Follow DFU to provide 12V to your external playout device.

⚠ Uses on screen display (OSD) menu, (SERVICE SETTINGS), in order to (de)activate this port.

⚠ The DC OUT port is designed to be used with SINGLE playout device. Never connect more than one device.

⚠ The DC OUT port will feed a 5VDC - 12VDC device having 2A MAX. Never connect a device whose power differs from the above specifications.

USB AUTO PLAY

Use this feature to play your movie automatically when restarting the screen.








WINDOW POSITION

Use this feature to select the window position on Zoom 3(ASCENT). Select between: bottom left; bottom right; top left; top right.

FACTORY RESET

This will restore all screen settings to the factory default settings.

USING YOUR SLIMLINE IR REMOTE CONTROL

	Switching on / off – in ready operation
	Select signal input
Digits 0 – 9	Select TV program directly ● In the menu: enter numbers
TXT	Open / close teletext ●
EPG	Electronic program guide (only ● DTV channels)
MENU	Open / close OSD menu ●
EXIT	EXIT
TV/R	Switch between TV and radio ●
FAV	Open / close favorites list ●
GOTO	GOTO ●
BACK	Previous channel ●
◀	In the menu: cursor left, decrease value
▲	In the menu: cursor up
OK	OK – confirm selection
▼	In the menu: cursor down
▶	In the menu: cursor right, increase
	value In the menu: color buttons ●
	(GREEN) Ascent – Adjustable Image
V+	Increase volume
V-	Decrease volume
INFO	Channel information / ●
	Operation guide Mute, sound on / off
CH+	Switch between TV channels up ●
CH-	Switch between TV channels down ●
	Media Player functions
SETUP	OSD menu of the DFU monitor system
SLEEP	Sleeptimer
ASPECT	Aspect ratio
AUDIO	Select audio mode and audio track
	Dimmer on / off ●
PRESET	Scene 1 on the Dimmer RCU ●




● functions used for ad notam Set Top Box solutions

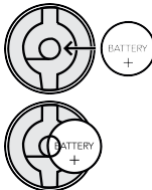
● functions used for ad notam lighting solutions


BATTERIES

Please replace the batteries if your remote signal is weak. Make sure that battery is inserted with the right +/- polarity marking. The battery cover needs to be completely closed in order to preserve the remote's waterproof capabilities.



Observe that the contact clip (+) is connected correctly to the plus pole of the battery. If the contact clip is positioned under the battery, the remote control will not work.





Risk of swallowing batteries! The SLIMLINE IR remote control contains a coin-type battery, which can be swallowed. Keep the battery out of reach of children at all times! Dispose of batteries according to environmental directives.

USING YOUR TOUCHPAD

Integrated into the mirror surface the touch keypad provides a totally waterproof and vandalism-resistant interface solution to control the basic functions of the screen.



SCREEN ON/OFF

Use the power key to toggle screen power between ON and STANDBY mode.



ADJUST THE VOLUME AND MUTE

In order to adjust the sound volume of the screen please use the (+) and (-) keys. The mute key will toggle between mute mode (no sound) and un-mute mode (restores last volume level).



ASCENT – ADJUSTABLE IMAGE

Once your product is equipped with ad notam's ASCENT technology, the ASCENT-ADJUSTABLE IMAGE button will toggle between full screen image and reduced image.



TECHNICAL DATA SHEET

For additional technical information review our web site at www.ad-notam.com

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MIRROR TV ASCENT SMM 420



ON FULL SCREEN



ON SMALL SCREEN



OFF

KEY FEATURES

- State of the art technology
- 42" screen diagonal
- Silver Magic Mirror
- Integrated loudspeaker
- High Brightness screen
- Ascent™ Technology
- Touchpad, 5 Keys
- Easy to install

ASCENT™ TECHNOLOGY

With ASCENT™ we raised the experience of using a Mirror TV to the highest degree. To do that, we created a fully-fledged vanity mirror and an all new 42" TV – in one device. The breakthrough ASCENT™ technology lets you easily transform your TV picture inside the mirror from 13" to 42", or the other way around. This allows you watching a movie in brilliant full size mode, while one touch brings back your vanity mirror with a 13" picture. Where this 13" picture is positioned on the mirror is decided by yourself, four preset positions are available. With MAGIC MIRROR as part of this product, ad notam delivers the highest standard of picture quality when turned on, while when turned off, the TV picture completely disappears behind the MAGIC MIRROR, leaving back nothing more than your vanity mirror.

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Subject to modification – 23. March 2015

ASCENT
SERIES

STANDARD
PRODUCTS

-1- KEY FEATURES


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MIRROR TV – ASCENT SMM 420

GENERAL INFORMATION

Installation method	On-Wall Installation
Product Dimensions	1038 W x 800 H x 60 D mm 40.87" W x 31.5" H x 2.36" D inch
Product Weight	28,8 kg 63,49 lbs
Product Usage	For In-Door (like only)
Operating Temperature	5° to 35° Celsius (41° to 122° Fahrenheit)
Humidity	20% - 80%
HS Code	85 28 59 31
Packaging type	Carton Box
Packaging dimensions	1220 W x 1000 H x 220 D mm 48.03" W x 39.37" H x 8.66" D inch
Packaging Gross Volume Weight	47,7 kg 105,16 lbs

CE



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ASCENT
SERIES

-2- GENERAL INFORMATION

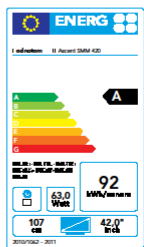
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MIRROR TV – ASCENT SMM 420

SCREEN

Display type	TFT Thin Film Transistor		
Backlight	LED		
Screen Diagonal	1067 mm (42")		
Picture Format	16:9		
Physical Resolution	1920 x 1080		
Viewing Angle	Horizontal: Typical (Total) 178° (Left: 89° / Right: 89°) Vertical: Typical (Total) 178° (Up: 89° / Down: 89°)		
Brightness ¹	450 cd/m ²		
Contrast	Typical: 1400:1		
Response Time	5 ms		
Video Inputs	HDMI 1.3	3x	HDMI terminal
	Component (YPbPr / YCbCr)	1x	RCA terminal, green (Y), blue (PB), and (Pr)
Audio Inputs	Line Level Input	1x	RCA terminal, white (L), red (R)
Other Inputs	USB	1x	USB terminal
Audio Outputs	Speaker Output	1x	Phoenix Clip 4pin
Other Outputs	IR Output (Infrared - Cable)	1x	Mini Jack 3.5 mm
	IR Output (Infrared - LED)	1x	Mini Jack 2.5 mm
Media Player	Audio	MP3, AAC, MSA/AAC, WMA	
OSD Language	Deutsch, English, Español, Français, Italiano, Português, Chinese		
Power	AC 110-240V (50/60Hz) Standby: 0.5W / 20mA / Dynamic: 111W / 4.6A / Maximum: 107W / 6.57A		
Certification	UL 6890-1, CAN / CSA 22.2 - 60950-1, CB, FCC, EN 60950-1, EMC 50222, EN 6100-3-2		

ENERG



CE **FE**

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ASCENT
SERIES

-3- SCREEN

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MIRROR TV – ASCENT SMM 420

GLASS & MIRROR

Type	Silver Magic Mirror
Surface	Float
Tint	Silver
Reflection	40% +/- 5
Transmission of screen image area	60% +/- 5
Reflection of screen image area	40% +/- 5

INTEGRATED LOUDSPEAKER

Type	Pair
Rated power	10W, max. power 20W
Impedance	8 Ohm
Sensitivity	85 dB
Frequency response	60 - 20000 Hz

TOUCHPAD

Technology	Capacitive
Number of Keys	5
Functions	<ul style="list-style-type: none"> ON/OFF Volume Up Volume Down Volume Mute Scale

IMAGE SWITCH

Full Screen	42"
Small Screen	12,6"
Preset/Positions	4

OPTIONAL ACCESSORIES

- Set Top Box IPTV
- Set Top Box T/ST
- Digital Signage Player Hardware
- Waterproof Remota Control
- IR Emitter Cable
- IR Loop Through Cable

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ASCENT
SERIES

-4- OTHER INFORMATION

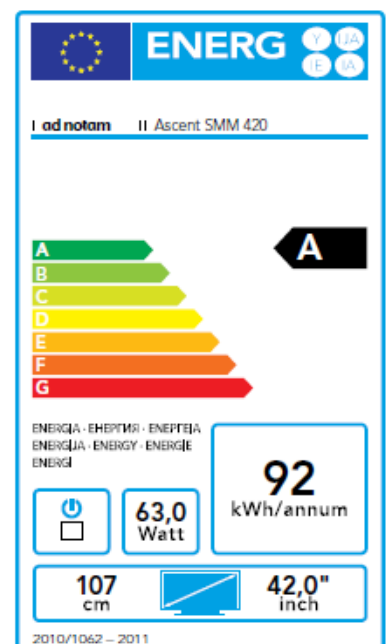
TECHNICAL DATA - OVERVIEW

GENERAL INFORMATION

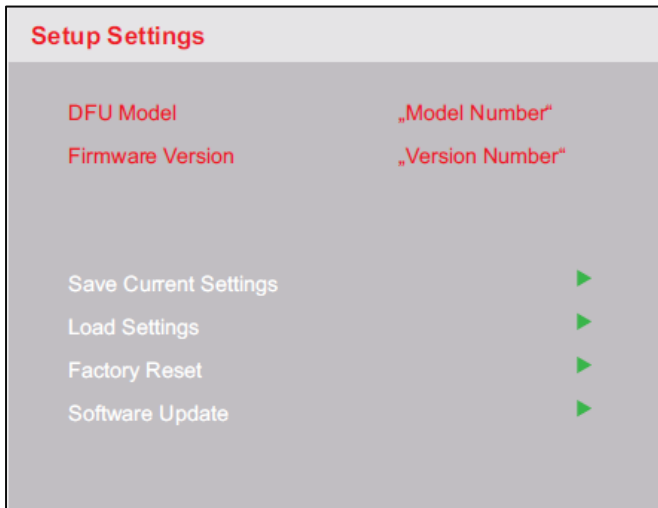
Installation method	On-Wall Installation
Product Usage	For In-Door Use only
Operating Temperature	5° to 50° Celcius (41° to 122° Fahrenheit)
Humidity	20% - 80%

Display type	TFT Thin Film Transistor			
Backlight	LED			
Screen Diagonale	1067 mm (42")			
Picture Format	16:9			
Physical Resolution	1920 x 1080			
Viewing Angle	Horizontal: Typical (Total) 178° (Left: 89° / Right: 89°) Vertical: Typical (Total) 178° (Up: 89° / Down: 89°)			
Brightness 1	450 cd/m2			
Contrast	Typical: 1400:1			
Response Time	5 ms			
Video Inputs	HDMI 1.3	3x	HDMI terminal	480i, 480p, 576i, 576p, 720i, 720p, 1080i, 1080p
	Component (YPbPr / YCbCr)	1x	RCA terminal, green(Y), blue(Pb), red(Pr)	720p, 1080i, 1080p
Audio Inputs	Line Level Input	1x	RCA terminal, white(L), red(R)	
Other Inputs	USB	1x	USB terminal	Software Update, Media Player
	RS 232	1x	D-SUB 9 pin male terminal	
	IR Input(Infrared)	1x	Mini Jack 3.5 mm	
Audio Outputs	Speaker Output	1x	Phoenix Clip 4pin	2 x 8W RMS @ 8 Ohm per channel
Other Outputs	IR Output(Cable)	1x	Mini Jack 3.5 mm	
	IR Output (LED)	1x	Mini Jack 2.5 mm	
Media Player	Audio		MP3, AAC, M4A/AAC, WMA	
	Picture		JPEG/JPG, BMP, PNG	
	Video		AVI, MPG, DAT, MOV/MKV	
OSD Language	Deutsch, English, Espanol, Francais, Italiano, Portugues, Chinese			
Power	AC 110-240V (50/60Hz) Standby: 0.8W / 33mA / Default: 111W / 4.62A / Maximum: 157W / 6.57A			
Certification	UL 60950-1, CAN / CSA 22.2 - 60950-1, CB, FCC, EN 60950-1, EMC 55022, EN 6100-3-2			
Packaging type	Carton Box			

SAMPLE - ENERGY LABEL
SEE PACKAGING



SOFTWARE



SOFTWARE VERSION

To view the current screen software version, press setup and move down to Setup Settings page.

SOFTWARE UPDATE

To update the current screen software version, please perform the following steps:

STEP 1


Check your Firmware Version in the OSD menu in Setup Settings/Firmware Version. The screen Model and Firmware Version Info indicate the name of the device and the version of the installed Firmware.

STEP 2

Download the current Firmware Version for your screen from our website at:
www.ad-notam.com

STEP 3

Save the current Firmware Version file on an empty USB flash driver

 Please make sure that the software file on the USB flash drive is the correct version for your screen. Please notice that every screen size has a different software file.

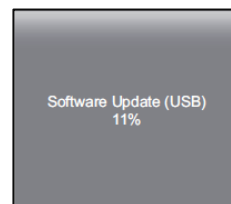
STEP 4

Connect the USB flash drive to the USB socket. In the OSD menu>Setup Settings please select Software Update. The confirmation window will be presented as below.



STEP 5

Choose Yes to start the Firmware Update process. The update progress window will be presented on screen.



STEP 6

Check if the new Firmware Version is correctly shown in the Setup Settings page.

STEP 7

IMPORTANT – Disconnect the USB flash drive

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MIRROR®

MIRROR IMAGE®

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