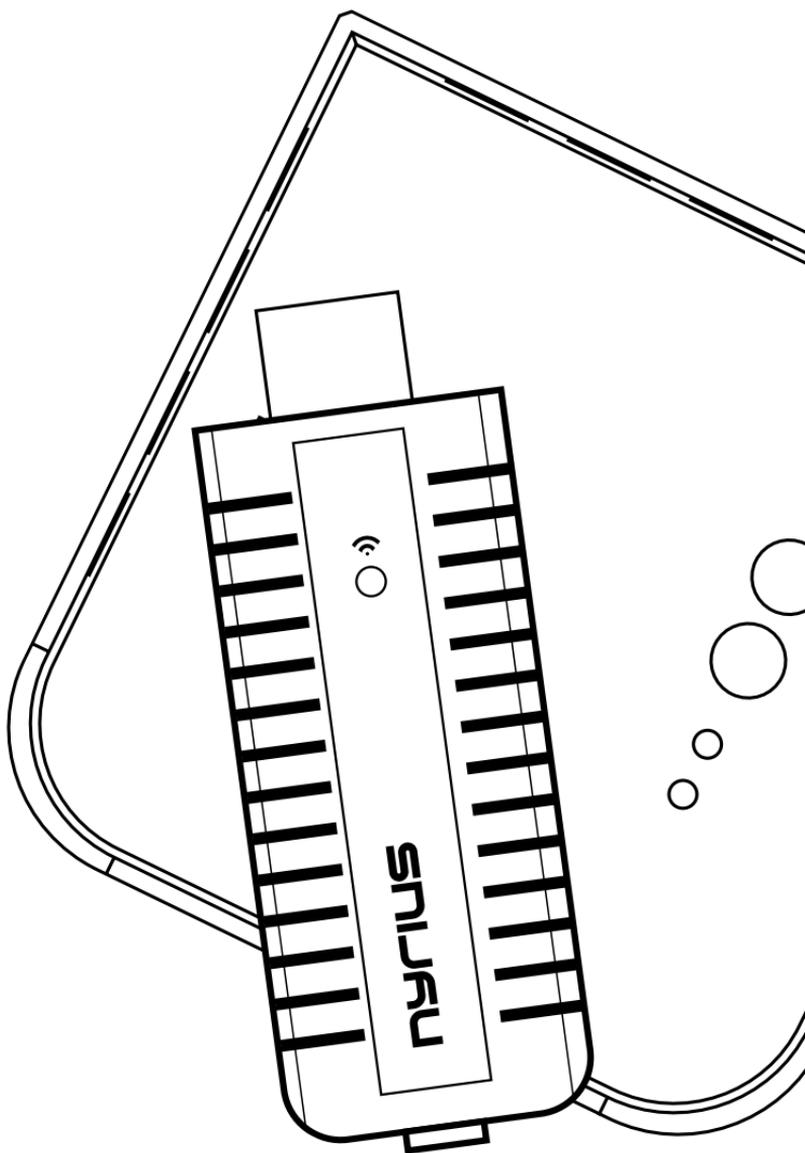


NYRIUS®

NPCS549/NPCS549UK

INSTRUCTION MANUAL



ARIES™ PRIME
WIRELESS HD TRANSMITTER

TABLE OF CONTENTS

What's Included	2
Features	2
Buttons and Connections	3
Setup	5
Troubleshooting	15
Specifications	16
FCC Statement	17
IC Statement	18
Safety Information	19
Drilling Template	21
Notes	22
NYRIUS Warranty	23

WHAT'S INCLUDED

- Digital Wireless HD Transmitter
- Digital Wireless HD Receiver
- 1 x 100-240V AC Power Adapter
- 5 ft HDMI® Cable
- Right Angle HDMI® Adapter
- USB Power Cable
- 2 x Screw Anchors
- 2 x Screws
- Instruction Manual
- Quick Start Guide
- 1 Year Warranty
- Lifetime Customer Support

FEATURES

- Wirelessly send high definition movies, TV shows, games & music from your PC, Blu-ray™/ DVD player, gaming console or other HDMI® device to an HDTV or projector
- Stream uncompressed, true 1080p video and surround sound audio in real-time with zero latency; 3D compatible
- Powerful 30ft digital signal eliminates the hassle of installing messy cables
- Easy to install plug 'n play setup gets you connected fast; no software required
- Compact flash drive design optimized for laptop use; powered by USB or wall adapter

BUTTONS AND CONNECTIONS

Transmitter - FRONT



Transmitter - SIDE

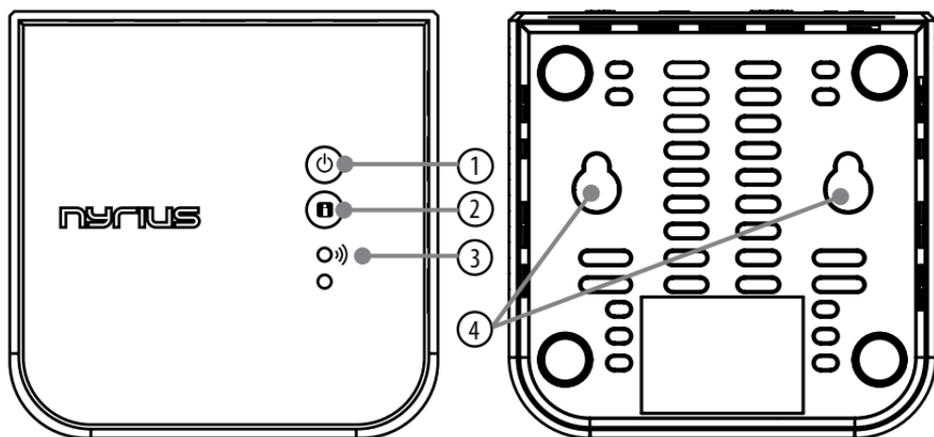


1	Pairing button	To PAIR transmitter & receiver
2	LED Status Indicator	Is a SOLID WHITE colour when the power is ON and has a successful wireless connection
3	USB Power Input	Connect the transmitter to the desktop or laptop's USB port with the provided USB cable
4	HDMI input	Plug in the Transmitter directly to a PC, cable box or any HDMI device

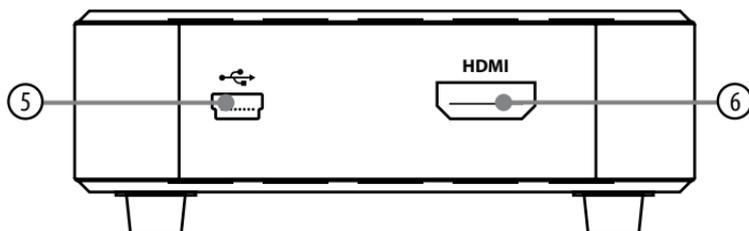
BUTTONS AND CONNECTIONS

Receiver - TOP

Receiver - BOTTOM



Receiver - SIDE



1	Power Button with LED indicator	Press to turn the receiver ON and OFF. The indicator in the power button lights up in WHITE when the power is ON , and turns ORANGE in STANDBY MODE .
2	INFO Button	Press this button to display OSD information on the HDTV screen.
3	Status LED	Displays the VIDEO STATUS information.
4	Mounting Holes	Allows you to hang the Receiver on the wall.
5	DC Input	Connect to receiver's power adapter.
6	HDMI Output	Connect to HDTV via an HDMI cable.

SETUP

CONNECTING THE TRANSMITTER

1. Connect the Transmitter directly to a PC, cable box or any HDMI device.
2. Connect the Transmitter directly to a PC, cable box or any HDMI device using the USB cable provided or connect the power adapter to the mini USB port of the transmitter and plug it to an available wall outlet.



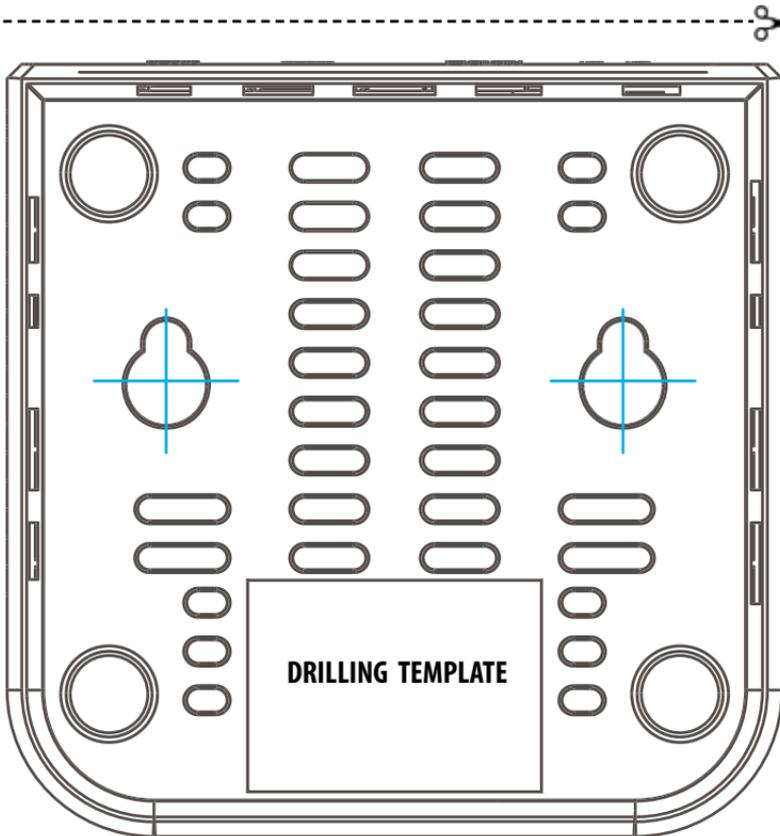
3. You may also connect the Right Angle HDMI® Adapter for easier setup with certain computers.
- The LED indicator on the POWER BUTTON should light up in WHITE when the Transmitter is properly connected to the computer via USB.



SETUP

WALL MOUNTING

1. Drill pilot holes using drilling template included below.
2. Insert the supplied two anchors into the wall.
3. Insert two screws into the anchors. Leave 1/8" length for mounting the Transmitter or Receiver.
4. Remove the rubber feet from the NPC5549. Place NPC5549 main holes over the protruding screws and slide down into position.

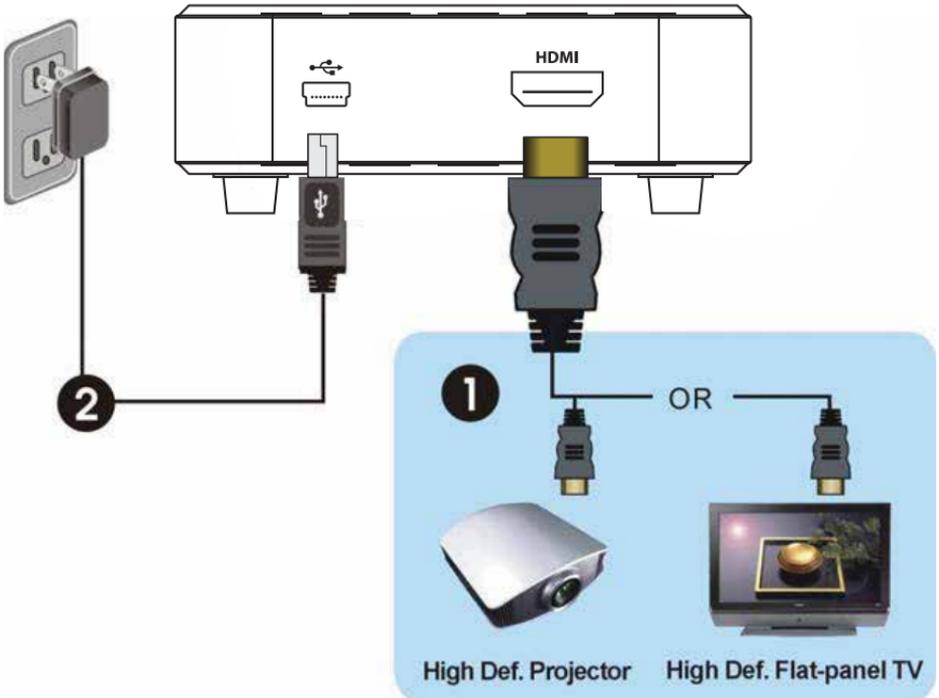


CONNECTING THE RECEIVER TO HDTV

1. Connect the HDMI cable to the HDMI Output of the receiver and to your HDTV television or HD projector.
2. Connect the power adapter to the DC Input of the Receiver and into a wall outlet. When the unit is successfully connected, the Power LED indicator on the POWER button lights up in WHITE.

SETUP

3. Once the Transmitter and Receiver are both connected, they will automatically pair to each other.



4. When you disconnect the transmitter and the link is disconnected over 10 minutes, the Receiver will enter STANDBY MODE (Power LED of receiver is ORANGE).



SETUP

5. Connect the power adapter to the DC Input of the Receiver and into a wall outlet. When the unit is successfully connected, the Power LED indicator on the POWER button lights up in WHITE.
6. Once the Transmitter and Receiver are both connected, they will automatically pair to each other.
7. During the warm-up period, the POWER LED will flash WHITE until the signal between the Transmitter and the Receiver is established. It will take approximately 15 ~ 20 seconds to boot-up and establish a link providing everything is operating normally.



8. Ensure your TV or projector is powered ON and is in "HDMI input" mode.



SETUP

9. If all is operating normally, the POWER LED and INFO/CHANNEL LED will be SOLID WHITE. Please refer to the chart below for detailed LED and OSD transmitter/receiver alert descriptions:

MODE	STATUS	POWER LED	STATUS LED	OSD DISPLAY
STANDBY	Power-save mode	Solid ORANGE	OFF	
WARM-UP	During 15-20 second warm-up	Flashing WHITE	Flashing	
SEARCHING CHANNELS	System not able to establish link after 80 seconds (see Notes A and D)	Flashing WHITE	Flashing	
WIRELESS MODE	No input from selected source (See Note B)	Solid WHITE	Flashing quickly	
	Video format not recognized (See Note C)	Solid WHITE	Flashing slowly	
	Video format is recognized	Solid WHITE	Solid WHITE	-

NOTES

- If the system is unable to establish a connection within 80 seconds, the connection has been lost or the Transmitter is out of range. Verify the distance between the Transmitter and Receiver. The maximum video transmission range for 1080p content is up to 30ft. in line of sight (LOS). The minimum range is 6.5 ft.
- Please confirm that the computer is powered ON and that HDMI OUT has been selected; check that HDMI cable is properly connected.
- If no video is displayed and OSD message states "NOT SUPPORTED FORMAT", then the video frame rate from the computer is NOT supported. See "Supported Resolution" section to change resolutions.
- If you have more than one pair of each Transmitter/Receiver, each pair should be at least 6.5 feet away from each other. If both pairs of Transmitter/Receiver are in the same room, the suggested the distance between the two is a minimum distance of 6.5 feet.

SETUP

RECEIVER		
BUTTON	OSD	OSD DISPLAY
POWER	Press the POWER button on TOP of the receiver to go from " Active mode" to " Active Standby mode".	 
INFO	Press the INFO button on TOP of the receiver. The Signal Quality, Source, Channel and Resolution will be displayed on the OSD for your reference. Press the INFO button again to exit.	  HDMI CH10 1280x1024   = OFF

AUDIO BIT RATE SUPPORT

- Digital Audio from HDMI inputs: Up to 6Mbit/s bit-rate support.
- Support AC3 and DTS.
- 2-8 Channel PCM: 16~24 bits audio sample with 32~96KHz sample rate as below:

2-8 CHANNEL S PCM	32KHZ	44.1KHZ	48KHZ	96KHZ
16 Bits	YES	YES	YES	YES
20 bits	YES	YES	YES	YES
24 bits	YES	YES	YES	YES

Windows OS Display setting of Laptop for external display:

Windows7 OS:

1. Press  key + P key
2. There is a POP icon displayed on the screen, as seen below :

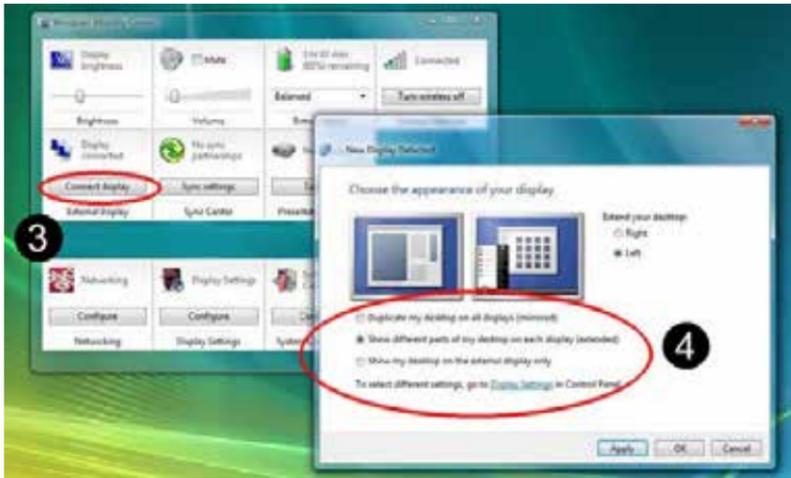


3. Select Clone mode, Extend Display or Project out only to enable external display.

SETUP

Windows Vista OS:

1. Go to START MENU ① in bottom left corner of the screen. Click WINDOWS MOBILITY CENTER ② to open.
2. On the EXTERNAL DISPLAY title, click CONNECT DISPLAY ③ to open NEW DISPLAY DETECTED ④.
3. Choose MIRRORED or EXTENDED mode to enable external display.



Windows XP OS:

1. Right click the mouse on your desktop.
2. Click GRAPHIC OPTION / OUTPUT TO.
3. Click CLONE MODE or EXTENDED DISPLAY

NOTE: For more information, please type CHANGE DISPLAY SETTINGS in WINDOWS HELP AND SUPPORT.

Mac OS Display setting of Laptop for external display:

- MAC OS will detect external display equipment automatically and switch to a better video resolution when user plugs in the display cable to Apple Mac series.
- Once MAC OS does not detect external display automatically, please check below :

1. Click to open DISPLAYS  / SYSTEM PERFORMANCE.
2. Click DETECT DISPLAYS to detect the external display.

SETUP

Windows OS Audio setting to switch to HDMI output:

Windows7 OS:

1. Go to START MENU in bottom left corner of the screen. Click CONTROL PANEL to open AUDIO setting.
2. Select HDMI OUTPUT ① and Press OK ②.



WindowsXP OS:

1. Go to START MENU in bottom left corner of the screen. Click CONTROL PANEL to open AUDIO setting.
2. Select HDMI OUTPUT and Press OK.

NOTE: For more information, please type CHANGE AUDIO SETTINGS in WINDOWS HELP AND SUPPORT.

SETUP

Windows Vista OS:

1. Go to START MENU ① in bottom left corner of the screen. Click WINDOWS MOBILITY CENTER ② to open.
2. On the VOLUME ③ tab, click the CHANGE AUDIO SETTING ④ icon to open the SOUND section.
3. Select HDMI OUTPUT ⑤ and press OK ⑥.



SETUP

SUPPORTED RESOLUTIONS

If the SOURCE LED continues to flash WHITE (slower than "NO SIGNAL" mode); the OSD display shows: , and there is no video displayed or the video quality is poor, it indicates that the video frame rate from your A/V source device is not supported. Ensure that the timing of your HD device is compliant with the standards listed below:

VIDEO FORMAT TIMING	RESOLUTION	SUPPORTED
PRIMARY CEA VIDEO TIMING		
640X480P @ 59.94 / 60HZ	480P	YES
720X480P @ 59.94HZ		YES
720X480P @ 60HZ		YES
720X576P @ 50HZ	576p	YES
1280X720P @ 50HZ	720p	YES
1280X720P @ 59.94 / 60HZ		YES
1920X1080I @ 50HZ	1080i	YES
1920X1080I @ 59.94 / 60HZ		YES
1920X1080P @ 50HZ	1080p / 60	YES
1920X1080P @ 59.94 / 60HZ		YES
SECONDARY CEA VIDEO TIMING		
1920X1080P @ 23.98 / 24HZ	1080p / 24	YES
1920X1080P @ 25HZ		YES
1920X1080P @ 29.97 / 30HZ		YES
VESA TIMING (DVI ONLY)		
640X480 @ 59.94 / 72.809HZ	VGA	YES
800X600 @ 60.317 / 72.188HZ	SVGA	YES
1024X768 @ 60 / 70.069HZ	XGA	YES
1280X768 @ 60 HZ	WXGA	YES
1280X1024 @ 60 HZ	SXGA	YES
1600x1200 @ 60Hz	UXGA	YES

TROUBLESHOOTING

Before following the troubleshooting guide below please make sure that your Transmitter, Receiver and ANY attached equipment are all properly connected, switched on and not in "Standby Mode".

POWER LED is not lighting up	<ul style="list-style-type: none"> • Make sure the power is connected to the Receiver/Transmitter. • Check that the power supplies are connected to a working power outlet. • The POWER LED of the Receiver/Transmitter should be WHITE.
No Video is displayed	<ul style="list-style-type: none"> • Check the status of the Link LEDs, and check TV or projector are working normally. • Check the HDMI cable is undamaged and is plugged into the correct connection. • Check that the correct HDMI output has been selected from the TV or projector's menu and that the HDMI cable is plugged into the correct output connection. • Make sure that it is the Receiver that is connected to the TV or projector, and the Transmitter that is connected to a PC, cable box or any HDMI device. • Verify the Receiver's POWER LED and INFO LED indicators (see chart on page 9). • Ensure your video resolution and frame rate is recognized/supported and within the transmission range. • Connect the source device to your TV to check and modify the video format compatibility. • Check your video resolution with HDMI input from your device is 1080p, 1080i, 720p, 576p, 480p. • Ensure the display setting for your PC / Laptop has been switched to Clone Mode, Projector Out Mode or Dual Display Mode to enable external display.
Bad Picture	<ul style="list-style-type: none"> • Make sure the HDMI cable used are undamaged and that you can get a good picture when the source is connected directly to the display with an HDMI cable. • Check that your video resolution with HDMI input from your PC / Laptop is either 1080p, 1080i, 720p, 576p, or 480p. • Ensure the transmission distance is less than 15 feet (LOS).
Bad Audio/ No Audio	<ul style="list-style-type: none"> • Make sure that the source is outputting supported audio formats. • Make sure that the TV's volume is turned UP and not on MUTE. • Make sure that your PC / Laptop audio volume has been turned UP. • Make sure that your PC / Laptop audio output has been switched to HDMI out. • Make sure there is no 5.8GHz wireless phone within 50cm of the Receiver. Some phones use substandard transmission schemes.
Other	<ul style="list-style-type: none"> • If any other issue occurs or if the above issues persist, try disconnecting both Transmitter and Receiver and repeating the link setup process

For further questions or inquiries, please contact **NYRIUS** customer support at:
www.nyrius.com/contact

SPECIFICATIONS

System Requirements		Any laptop or desktop system containing an HDMI port including popular models from these manufacturers: Alienware, Lenovo, Dell, HP, Acer, Apple (Display Port cable not included)
Supported Audio Formats	Digital Audio	up to 6 Mbps AC3 and DTS
Supported Video Resolutions	HDMI Input	1080p, 1080i, 720p, 576p, 480p
Transmission Distance		The maximum video transmission range is 15 feet. The minimum range is 6 feet; line of sight (LOS) scenarios
System Latency		No latency (<1ms)
Transmission Frequency		4.9~ 5.9GHz (Includes non-DFS and DFS Frequency Bands)
Antenna		High Performance Internal Antennas
Power Supply		100~ 240V AC in, 5V DC out Power Adapter
Operating temperature		0°C to 40 °C

INTERFACES		TRANSMITTER	RECEIVER
AV INTERFACES	HDMI Input	ONE (Type A, Male)	-
	HDMI Output	-	ONE (Type A, Female)
POWER INTERFACE	POWER Input	USB cable or 5V DC input	5V DC Input
SWITCHES	POWER Switch	-	YES (One Tack Switch)
	INFO Switch	YES (One Tack Switch)	YES (One Tack Switch)
LEDs	POWER LED	-	WHITE LED or ORANGE LED
	STATUS LED	WHITE LED	WHITE LED
	Signal Quality Status	-	OSD displayed
DIMENSIONS		30(W) X 82.2(L) X 17.5(H) MM	194.8(W) X 146.8(L) X 31(H) MM

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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 help.

FCC CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RADIATION EXPOSURE STATEMENT (TRANSMITTER):

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available. The USB dongle transmitter is approved for use in typical laptop computers. To comply with FCC RF exposure requirements, it should not be used in other devices or certain laptop and tablet computer configurations where the USB connectors on the host computer are unable to provide or ensure the necessary operating configurations intended for the device and its users or bystanders to satisfy RF exposure compliance requirements. Receiver should be installed and operated with minimum distance 20cm between the radiator & your body.

RADIATION EXPOSURE STATEMENT (RECEIVER):

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

IC STATEMENT

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION :

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit; (iii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and (iv) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

RADIATION EXPOSURE STATEMENT:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

SAFETY INFORMATION

1. Read all instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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 your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged. Liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Apparatus shall not be exposed to dripping or splashing, and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
15. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.
16. The direct plug-in adapter is used as disconnect device, the disconnect device shall remain readily operable.
17. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.



Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

SAFETY INFORMATION

Do not use close to refrigerators, washing machines and metal furniture. Place on a stable surface and make sure connecting wires are routed to minimize the chance of accidents.

Only use the DC power adaptors supplied, if they must be replaced make sure the replacements have the same output rating of 5V 3A DC.

Avoid exposing your equipment to harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places that are very dusty. Do not cover or place heavy objects on the units. Make sure there is sufficient clearance around the units to allow adequate ventilation.

Never push objects into holes or ventilation slots.

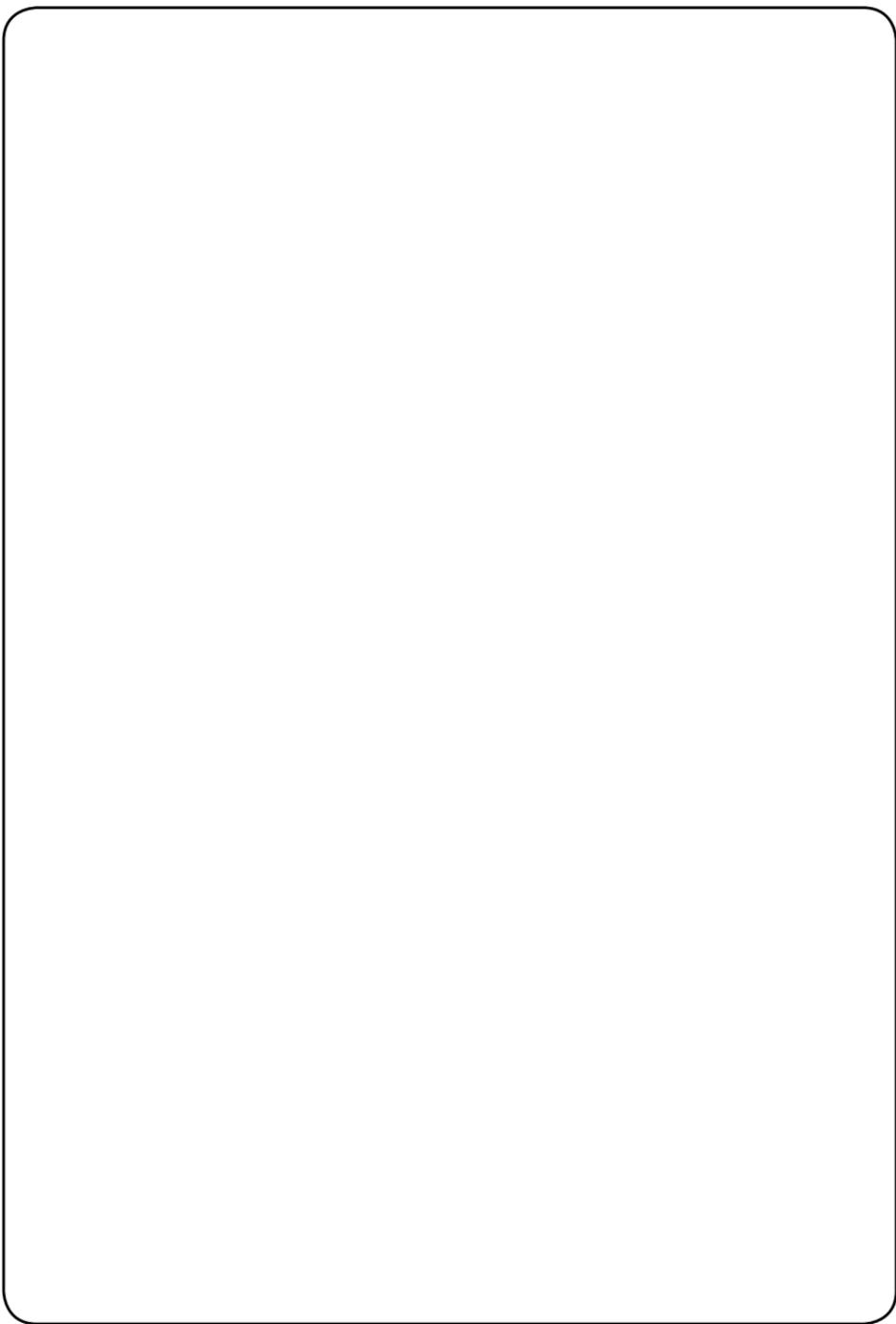
To save power turn OFF the switches on the power adaptor leads or unplug the power adaptors from the power outlets when you are not using the equipment.

Do not continue to use any part of this equipment if you have spilled liquids on it, damaged it in any way or does not work normally. Unplug the equipment immediately and get expert advice.

Cleaning: disconnect the main power supply and use only a lightly dampened cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.

- To prevent electric shock, do not remove any cover.
- If anything goes wrong, do not try to repair yourself, get a qualified engineer to look at it.
- Do not expose this equipment to dripping or splashing liquids.
- Never allow a naked flame on or near the equipment.
- This product is not a toy. Do not let young children play with the equipment.

NOTES



NYRIUS® WARRANTY

Thank you for choosing NYRIUS® Consumer Electronics Products!

NYRIUS gives the following express warranty to the original consumer purchaser or gift recipient for this NYRIUS product, when shipped in its original container and sold or distributed by NYRIUS or by an Authorized NYRIUS Dealer: NYRIUS warrants that this product is free, under normal use and maintenance, from any defects in material and workmanship. If any such defects should be found in this product within the applicable warranty period, NYRIUS shall, at its option, repair or replace the product as specified herein. Replacement parts furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

This warranty shall not apply to:

- A. Any defects caused or repairs required as a result of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the owner's manual.
- B. Any NYRIUS product tampered with, modified, adjusted or repaired by any party other than NYRIUS or NYRIUS's Authorized Service Centres.
- C. Damage caused or repairs required as a result of the use with items not specified or approved by NYRIUS including but not limited to head cleaning tapes and chemical cleaning agents.
- D. Any replacement of accessories, glassware, consumable or peripheral items required through normal use of the product including but not limited to earphones, remote controls, AC adapters, batteries, stylus, trays, filters, cables, paper, cabinet, cabinet parts, knobs, buttons, baskets, stands and shelves.
- E. Any cosmetic damage to the surface or exterior that has been defaced or caused by normal wear and tear.
- F. Any damage caused by external or environmental conditions, including but not limited to transmission line/power line voltage or liquid spillage.
- G. Any product received without appropriate model, serial number and CSA /cUL /cULus /cETL /cETLus markings.
- H. Any products used for rental or commercial purposes.
- I. Any installation, setup and/or programming charges.

Should this NYRIUS product fail to operate during the warranty period, warranty service may be obtained upon delivery of the NYRIUS product together with proof of purchase and a copy of this LIMITED WARRANTY statement to an Authorized NYRIUS Service Centre. In-home warranty service may be provided at NYRIUS discretion on any NYRIUS television with the screen size of 40" or larger. This warranty constitutes the entire express warranty granted by NYRIUS and no other dealer, service centre or their agent or employee is authorized to extend, enlarge or transfer this warranty on behalf of NYRIUS. To the extent the law permits, NYRIUS disclaims any and all liability for direct or indirect damages or losses or for any incidental, special or consequential damages or loss of profits resulting from a defect in material or workmanship relating to the product, including damages for the loss of time or use of this NYRIUS product or the loss of information. The purchaser will be responsible for any removal, reinstallation, transportation and insurance costs incurred. Correction of defects, in the manner and period of time described herein, constitute complete fulfillment of all obligations and responsibilities of NYRIUS Electronics to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise.

1 YEAR PARTS & LABOUR WARRANTY PERIODS

TO OBTAIN THE NAME AND ADDRESS OF THE NEAREST AUTHORIZED NYRIUS SERVICE CENTRE OR FOR MORE INFORMATION ON THIS WARRANTY

Contact NYRIUS Support:

- **Support:** www.nyrius.com/support
- **Website:** www.nyrius.com
- **By mail:** NYRIUS Customer Service, 4080 Montrose Road, Niagara Falls, ON L2H 1J9

NYRIUS is a registered trade-mark of Circus World Displays Limited 02.2014