VEGA SERIES WIRED / WIRELESS MONITORS

FOR PROFESSIONAL AND HOME USE

WITH EMBEDDED BLUETOOTH AND SKAA PRO HIGH-SPEED WIRELESS TECHNOLOGIES

REV: D

INTRODUCTION

You are in good company for your purchase of Cerwin Vega Professional and Home Products, so congrats! And thank you for joining the growing family of Cerwin Vega owners who have high standards for their brand's merchandise, quality, and functionality.

We take pride in offering our cutting-edge VEGA Studio Monitors. Two years were spent on the design and development and we think that anyone may utilize and quickly appreciate using them.

We hope you enjoy your Cerwin-Vega Monitors for a very long time to come!

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Manuals Purpose:

This manual's goal is to acquaint you with the many features and functionality of your new VEGA Studio Monitors.

We advise you to spend some time getting acquainted with this manual.

In order to achieve high speed wireless connectivity with extremely low latency and without compromising any of the audio spectrum, we have partnered with Eleven Engineering (Canada) and have integrated their SKAA Pro Technology into all of our VEGA Series Monitors.

The specialists out there may always use our embedded SKAA Pro technology to get accurate sound and wireless real-time music mixing without noticeable audio delays.

Of course, you can still use cables to connect to the HUB, which will then use SKAA Pro technology built into the HUB to wireless connect with the SAT (super high-speed, very low latency, with full audio spectrum delivered).

A word about Bluetooth.

Due to the audio delays that result from employing Bluetooth technology and the fact that some of the audio spectrum is lost, real-time audio mixing cannot be accomplished using this technology. With the exception of those who require extremely high speed and complete audio, the majority of people may still benefit from using Bluetooth on a daily basis.

Thank you for choosing CERWIN-VEGA!

Engineered in the USA and manufactured with global components.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION	ATTENTION:
RISK OF ELECTRIC SHOCK DO NOT OPEN	RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

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

Warning: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Do not place this unit on an unstable cart, stand or tripod, bracket or table. The unit may fall, causing serious injury to a child or adult and serious damage to the unit. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the unit. Any mounting of the device on a wall or ceiling should follow the manufacturerís instructions and should use a mounting accessory recommended by the manufacturer.

An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.

This product is in compliance with EU WEEE regulations. Disposal of end of life product should not be treated as municipal waste. Please refer to your local regulations for instructions on proper disposal of this product.

1. "An apparatus with Class I construction shall be connected to a mains sockets outlet with protective earthing connection."
2. "Where the mains plug or an appliance coupler is used as the disconnect device, the disconnection device shall remain readily operable"

1. Read these instructions
2. Keep these instructions
3. Head all warnings
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with 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 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 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. Use only with the art, stand , tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug the apparatus during lightening storms or when unused for long periods of time.
14. 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 ot has been dropped.

ATTENTION

POUR …VITER LES CHOC ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUíAU FOND.

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT FULLY INSERT.

If an indoor antenna is used (either built into the set or installed separately), never allow any part of the antenna to touch the metal parts of other electrical appliances such as a lamp, TV set etc.

CAUTION
POWER LINES

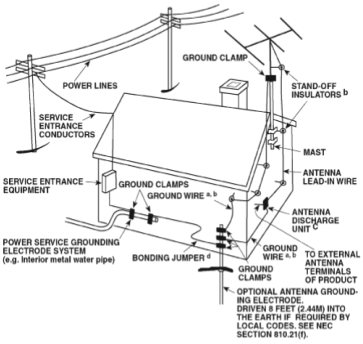
Any outdoor antenna must be located away from all power lines.

OUTDOOR ANTENNA GROUNDING

If an outside antenna is connected to your tuner or tuner-preamplifier, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

a. Use No. 10 AWG (5.3mm2) copper, No. 8 AWG (8.4mm2) aluminium, No. 17 AWG (1.0mm2) copper-clad steel or bronze wire, or larger, as a ground wire.
b. Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22 - 1.83 m) apart.
c. Mount antenna discharge unit as close as possible to where lead-in enters house.
d. Use jumper wire not smaller than No.6 AWG (13.3mm2) copper, or the equivalent, when a separate antenna-grounding electrode is used. see NEC Section 810-21 (j).

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS CONTAINED IN ARTICLE 810 - RADIO AND TELEVISION EQUIPMENT.



NOTE TO CATV SYSTEM INSTALLER: This reminder is provided to call the CATV system installerís attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the ground cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

Upon completion of any servicing or repairs, request the service shopís assurance that only Factory Authorized Replacement Parts with the same characteristics as the original parts have been used, and that the routine safety checks have been performed to guarantee that the equipment is in safe operating condition. REPLACEMENT WITH UNAUTHORIZED PARTS MAY RESULT IN FIRE, ELECTRIC SHOCK OR OTHER HAZARDS.

Some Key Features:

Connectivity:
Wired: RCA, XLR Combo TRS connections on the HUB for universal direct line connectivity for any environment.
Wireless: HUB has BT 5.0+ and SKAA Pro Technology
Wireless: SAT have SKAA Pro Receiver Technology.

Amplifier:
DSP controlled Class "D" amplifier topology: runs cooler and with clean sound.
Custom active 2way electronics (VEGA4S, VEGA6S & VEGA8S) that provides high headroom/low noise amplification.
Custom active 3way electronics (VEGA10S) that provides high headroom/low noise amplification.
Improved speaker protection circuitry added.

System optimized auto limiter: prevents unexpected peaks from damaging the speakers while offering consistency and clarity at high volumes.

Drivers: woofers and tweeters with enhanced frequency responses that are specifically built.
Soft-dome tweeters with optimized waveguides deliver clear, crisp, and articulate highs up to 35 kHz, but we'll only show 20 kHz in our specifications.

Lightweight glass-aramid composite woofers produce tight bass and a crisp middle.

Cabinet:
Using a precision CNC-cut front wood baffle in place of common plastics results in an all-wood cabinet that is resonant-free, rock-solid, and improves imaging clarity while lowering colorization and distortion.

With better sonic clarity, our slotted front ports improve room acoustics by significantly reducing port turbulence.

The low and high frequency settings of our monitors can be adjusted for individual taste and room acoustics with the ability to offer accurate lows, true highs, and clearly defined middle frequencies.
Musicians from all over the world will laud its superior low-end extension and optional +2dB Bass Boost preset.

The result is a studio reference monitor that you can trust.

Whether you are making critical mixing decisions or need to capture the subtle nuances of a unique sound, you'll quickly discover that the VEGA Studio Monitors is as precise about your work as you are.

SPECS:

	VEGA4S 4" 2-Way Monitor	**VEGA6S** 6" 2-Way Monitor	**VEGA8S** 8" 2-Way Monitor	**VEGA10S** 10" 3-Way Monitor
FREQUENCY RESPONSE:	60Hz-20kHz (+3 / 10 dB)	45Hz - 20kHz (+3 / 10 dB)	40Hz - 20kHz (+3 / 10 dB)	30Hz - 20kHz (+3 / 10 dB)
AMPLIFIER:	DSP CUSTOM BI-AMP CLASS "D"	DSP CUSTOM BI-AMP CLASS "D"	DSP CUSTOM BI-AMP CLASS "D"	DSP CUSTOM TRI-AMP CLASS "D"
POWER HANDLING:	30W	73W	100W	140W
MAX SPL:	86dB	87dB	88dB	90dB
DRIVERS:	1 x 4" Woofer, Aramid Glass Composite 1 x 1" Tweeter Soft-dome	1 x 6" Woofer Aramid Glass Composite 1 x 1" Tweeter Soft-dome	1 x 8" Woofer Aramid Glass Composite 1 x 1" Tweeter Soft-dome	1 x 10" Woofer Aramid Glass Composite 1 X 4" Midrange Aramid Glass Composite 1 x 1" Tweeter Soft-dome
WIRED INPUT CONNECTIONS -	HUB: XLR, TRS, RCA SAT: NONE	HUB: XLR, TRS, RCA SAT: NONE	HUB: XLR, TRS, RCA SAT: NONE	HUB: XLR, TRS, RCA SAT: NONE
EMBEDDED WIRELESS INPUT CONNECTIONS:	HUB: BLUETOOTH, SKAA & SKAA PRO SAT: SKAA/ SKAA PRO	HUB: BLUETOOTH, SKAA & SKAA PRO SAT: SKAA/ SKAA PRO	HUB: BLUETOOTH, SKAA & SKAA PRO SAT: SKAA/ SKAA PRO	HUB: BLUETOOTH, SKAA & SKAA PRO SAT: SKAA/ SKAA PRO
EMBEDDED WIRELESS OUPUT CONNECTIONS:	HUB: SKAA PRO SAT: NONE	HUB: SKAA PRO SAT: NONE	HUB: SKAA PRO SAT: NONE	HUB: SKAA PRO SAT: NONE
TOTAL WIRELESS OUTPUT CONNECTIONS PER SKAA TRANSMITTER	4	4	4	4
ELECTRICAL MAINS OPERATING VOLTAGE CV-WWVA CERTIFIED	100VAC ~ 240VAC Fuse: T1.6AL250V USE ON 100VAC TO 120VAC Fuse: T1AL250V USE ON 220VAC TO 240VAC	100VAC ~ 240VAC Fuse: T2AL250V USE ON 100VAC TO 120VAC Fuse: T1.25AL250V USE ON 220VAC TO 240VAC	100VAC ~ 240VAC Fuse: T2.5AL250V USE ON 100VAC TO 120VAC Fuse: T1.5AL250V USE ON 220VAC TO 240VAC	100VAC ~ 240VAC Fuse: T2.5AL250V USE ON 100VAC TO 120VAC Fuse: T1.5AL250V USE ON 220VAC TO 240VAC
DIMENSIONS: H x W x D	Height: 9.21" (234mm) Width: 6.10" (155mm) Depth: 8.66" (220mm)	Height: 13.46" (342mm) Width: 8.90" (226mm) Depth: 11.42" (290mm)	Height: 15.59" (396mm) Width: 10.83" (275mm) Depth: 12.60" (320mm)	Height: 21.85" (555mm) Width: 12.80" (325mm) Depth: 14.17" (360mm)
WEIGHT: In Packaging	HUB: 4.63 lb. (2.1 Kg.) SAT: 4.63 lb. (2.1 Kg.)	HUB: 10.25 lb. (4.64 Kg.) SAT: 10.25 lb. (4.64 Kg.)	HUB: 15.65 lb. (7.1 Kg.) SAT: 15.65 lb. (7.1 Kg.)	HUB: 24.03 lb. (10.9 Kg.) SAT: 24.03 lb. (10.9 Kg.)
SOLD AS PAIRS	1X HUB + 1X SAT	1X HUB + 1X SAT	1X HUB + 1X SAT	1X HUB + 1X SAT

Specifications & appearance subject to change: Contact: **1-213-261-4161**

Initial Out of the Box Configuration:

- The Hub, out of the box, is configured as the LEFT speaker
- The Satellite, out of the box, is configured as the RIGHT speaker.

This configuration can be changed using the SKAA cmd app and using a SKAA approved transmitter depending upon which type of phone you have. Please refer to pages 18 thru 24 for more details regarding the SKAA cmd app or download the PDF here: https://skaa.com/media/1233/do5580-skaa-cmd-users-guide-102116.pdf

For information on the various SKAA transmitters that can be used, please check our accessories on page 26.

Where to download the app?

- For Android Phones the SKAA cmd app can be found on the Google Playstore: https://play.google.com/store/apps/?hl=en_US&gl=US

- For iPhone the SKAA cmd app can be found on the Apps Store https://www.apple.com/app-store/

  To see a complete listing of the SKAA cmd app commands/functionality the PDF can be downloaded at: https://skaa.com/media/1233/do5580-skaa-cmd-users-guide-102116.pdf

  Or see the SKAA cmd app directions shown on pages 18 thru 24.

If you alter the default LEFT & RIGHT speaker configuration using the app, a FACTORY RESET (6-clicks) on the bond button will restore the speakers' factory defaults (Hub = Left, Sat = Right).

NOTES:

The HUB controls whether or not audio is sent from the HUB to the SAT and acts as the central brain.

The SAT only receives wirelessly; it never broadcasts audio.

The HUB accepts Bluetooth connections and outputs the audio it has received to the SAT using the embedded SKAA Pro mode of transmission.

In using a SKAA transmitter to communicate with our VEGA monitor this implies that the HUB and SAT simultaneously receive audio from the SKAA transmitter without the HUB needing to communicate with the SAT.

Three modes of audio input connections to our HUB monitors: please see figure 1 Below:

(1) Audio Input Mode Selection Button, each button press will advance to the next connection type (Bluetooth, Analog input and then SKAA mode).

(2) Bluetooth Receive Mode: when selected, the **BT** LED will light up and the HUB will then transmit audio automatically via a SKAA Pro mode to the SAT.

(3) Line In Analog Receive Mode: when selected, the **Analog** LED will light up and the HUB will then transmit audio automatically via a SKAA Pro mode to the SAT.

(4) SKAA Receive Mode: when selected, the **SKAA** Bond LED will illuminate.

I. If you've Bonded to this audio source before, click the Bond button once (1-click). Repeat again this procedure if the speaker Bonds and plays the wrong audio.

II. If you've never Bonded to this audio source before, click the Bond button twice (double-click). Repeat this procedure again if the speaker Bonds and plays the wrong audio.

III. Normally avoid this method since it clears the favorites list in your speaker. If neither method i) nor ii) listed above work, provide 6-clicks using the Bond Button to factory reset your speaker. The speaker will then Bond and play audio. If it plays the wrong audio, go to ii).

Figure 1: HUB Input Audio Connection Controls

Note: With one exception, HUB monitor always communicates wirelessly to the SAT using SKAA Pro Audio transmission. The sole exception to this rule is when the SAT is directly receiving SKAA signals from a source other than the HUB.

TRIM EQ

On the rear panel of the **HUB** speaker, you'll find two TRIM EQ knobs which enable you to boost or cut the High Frequencies and Low Frequencies produced by the speaker by small degrees in order to compensate for the acoustics of the room you're listening in.

MODELS	DESCRIPTION	WOOFER FREQ RANGE	MIDRANGE FREQ RANGE	TWEETER FREQ RANGE
VEGA4S & VEGA6S	2-WAY	20Hz to 3000 Hz	N/A	3000Hz to 20000Hz
VEGA8S	2-WAY	20Hz to 3200 Hz	N/A	3200Hz to 20000Hz
VEGA10S	3-WAY	20Hz to 350Hz	350Hz to 3000Hz	3000Hz to 20000Hz

The Trim EQ controls are absent on the rear panel of the SATELLITE speaker. However, whatever your TRIM EQ settings are on the HUB, these same settings will also migrate into the SATELLITE speaker wirelessly, so long as both speakers are from the same product family line, and are both the same size. For example, the EQ will migrate if the HUB and SATELLITE are both VEGA 4S products, but will not migrate if the Hub is a VEGA 8S and the SATELLITE is a VEGA 6S.

Here's how TRIM EQ MIGRATION works in 3 specific speaker configurations:

1. HUB & SATELLITE. This is the common case when the HUB is set to either Bluetooth or Analog input, and the SATELLITE speaker is Bonded to the HUB and playing audio from it. In this case, the TRIM EQ will migrate to the SATELLITE automatically, whenever you adjust it on the HUB —it will arrive and be installed in the SATELLITE within a few seconds of you changing the setting on the HUB.

2. CLUSTERED RECEIVERS. If you have set the HUB to SKAA mode, it will behave exactly like a SATELLITE. For instance, if you are feeding both speakers from a SKAA-enabled Cerwin Vega Pro mixer, a Dani transmitter or any other SKAA transmitter, you'll want both of your VEGA STUDIO MONITORS to act as SKAA receivers (in other words, to both act as SATELLITES).

   The CLUSTER UP process can be used in this situation to combine the two speakers into a CLUSTER of receivers. Then, rather than functioning independently, both speakers will work "as one." If you change the TRIM EQ on the HUB, it will automatically migrate to the SATELLITE whenever you do. It will show up and be installed on the SATELLITE a few seconds after you make the change.

3. NON-CLUSTERED RECEIVERS.
   Temporarily set up your HUB and SATELLITE as in case 1 above. Once your HUB and SATELLITE are both outputting the same audio, set the TRIM EQ to your taste. The TRIM EQ will migrate to the SATELLITE within a few seconds. Then change your HUB to SKAA mode (so it behaves like a SATELLITE) and Bond both your speakers to a Cerwin Vega Pro mixer or any other SKAA transmitter. Since the TRIM EQ is stored in the SATELLITE in non-volatile memory, your settings will remain installed in the SATELLITE, even if you power cycle the SATELLITE.

The TRIM EQ will not automatically migrate between the HUB and SATELLITE in this configuration, so it's advisable to put a masking tape note on the HUB reminding you not to change the TRIM EQ since doing so may result in the HUB and SATELLITE having different TRIM EQs. If you do want to change TRIM EQs in this configuration, just repeat the procedure in this section 3.

4. The EQ Selection

Product	Bass [Hz]	Treble [Hz]
VEGA 4	~800	~1500
VEGA 6	~800	~1500
VEGA 8	200	1250
VEGA 10	150	1000

SKAA Bonding Mode Selection: HUB & SAT

See figure 2 below and bonding button “5”.

The VOL control knob does double duty for functions.

- If you rotate the knob left or right you can control the volume level of the speaker.
- If you push the volume control button inward this changes the SKAA function as outlined on the silkscreen graphics shown in figure 2 below.
- For a more comprehensive listing of SKAA Bond Button functions and the number of clicks to use please see pages 15 and 16 in this manual or visit https://skaa.com/TLC

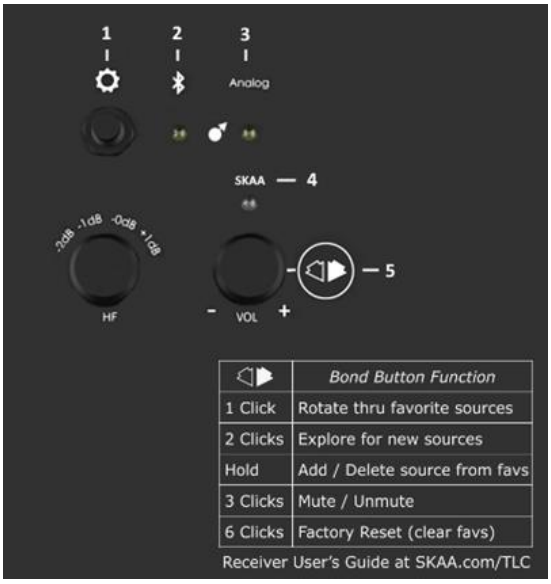


Figure 2: SKAA Bond Button & Bonding Table

Computer Wireless Connections using Bluetooth Mode: assuming computer has BT capability!

Desktop or Laptop (Windows / MacOS / Linux), assuming USB “A” ports, see figure 3 below, bottom left side.

To connect to the HUB using **BT**:

a. Select BT mode on the HUB monitor (BT LED should lite up when in this mode) and pair with the Bluetooth Source.
b. On the SAT, 2 - click the Bond Button (Vol Button) to place the SAT LED color in Amber color mode which will bond to the HUB and audio can then be heard.

Computer Wireless Connections using SKAA Mode: assuming your computer has a SKAA transmitter!

Desktop or Laptop (Windows / MacOS / Linux, assuming USB "A" ports, see figure 3 below, bottom right side.

To connect to the HUB using **SKAA**.

a. Obtain or buy an Ursula SKAA Transmitter (not included) and connect to your computers standard USB "A" port.
b. No drivers are necessary to be installed into any operating system being used as the SKAA transmitter will work automatically.
c. Be sure when the SKAA transmitter is attached to your computers USB "A" port that the computer sound output is set to the SKAA audio mode.
d. Depress the SKAA Bond Button on the HUB monitor following the correct number of bond button presses using the SKAA® RECEIVER USER'S GUIDE located on pages 15 and 16.
e. Depress the SKAA Bond Button on the SAT monitor using the SKAA® RECEIVER USER'S GUIDE located on pages 15 and 16 and sound should be heard at that point.

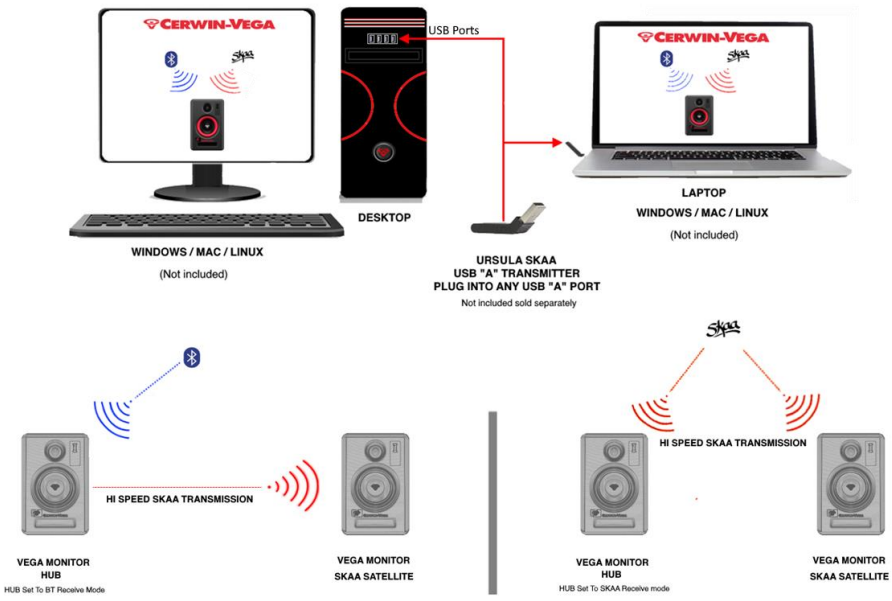


Figure 3: Computer or BT source or SKAA Connections to Monitor

Cellphone Connections to Monitor using Bluetooth Mode: Android / Apple please see figure 4 below.

To connect to the VEGA Monitors using BT Mode: assumption both iPhone and Android have built in Bluetooth.

1. On the HUB press the mode input selector button to put the HUB into BT mode (BT LED will be lit).
2. Pair the HUB on your phone.
3. Once paired play some audio.
4. On the SAT monitor if audio is not already playing, then press the SKAA bond switch (i.e., Vol button) while following the SKAA® RECEIVER USER'S GUIDE located on pages 15 and 16 until audio is heard coming through the SAT monitor.

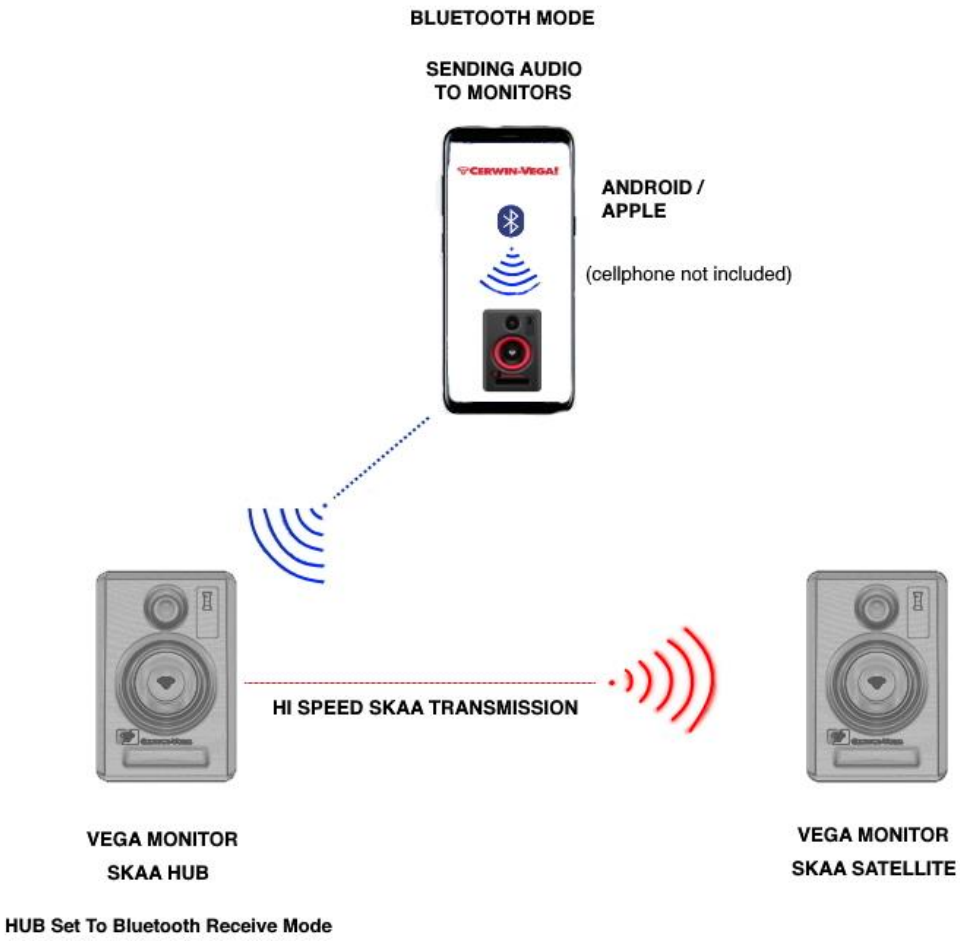


Figure 4: Cellphone to Monitor Connection using Bluetooth

Cellphone Wireless Connections using SKAA Mode: Android / Apple, please see figure 5 below.

To connect to the VEGA Monitors using SKAA Mode.

1. For Android phone if your phone USB input connection is a type “C” then obtain a CASSANDRA (type C) SKAA Transmitter (not included and sold separately, see page 26).
2. For Apple iPhone that has an input port for iOS lightning then obtain a DIZ Apple SKAA transmitter (not included and sold separately, see page 26).
3. Connect your SKAA transmitter that you have purchased to your phone.
4. Begin to transmit audio on your iPhone or Android phone.
5. On the HUB monitor, place the HUB monitor into SKAA mode via the Input Mode Selection button (the SKAA LED should be illuminated).
6. Depress the SKAA Bond while following the SKAA® RECEIVER USER’S GUIDE located on pages 15 and 16 until audio is heard coming through the HUB monitor.
7. On the SAT if no audio is heard then depress the SKAA bond button (i.e., Vol button) while following the SKAA® RECEIVER USER’S GUIDE located on pages 15 and 16 until audio is heard coming through the SAT monitor.

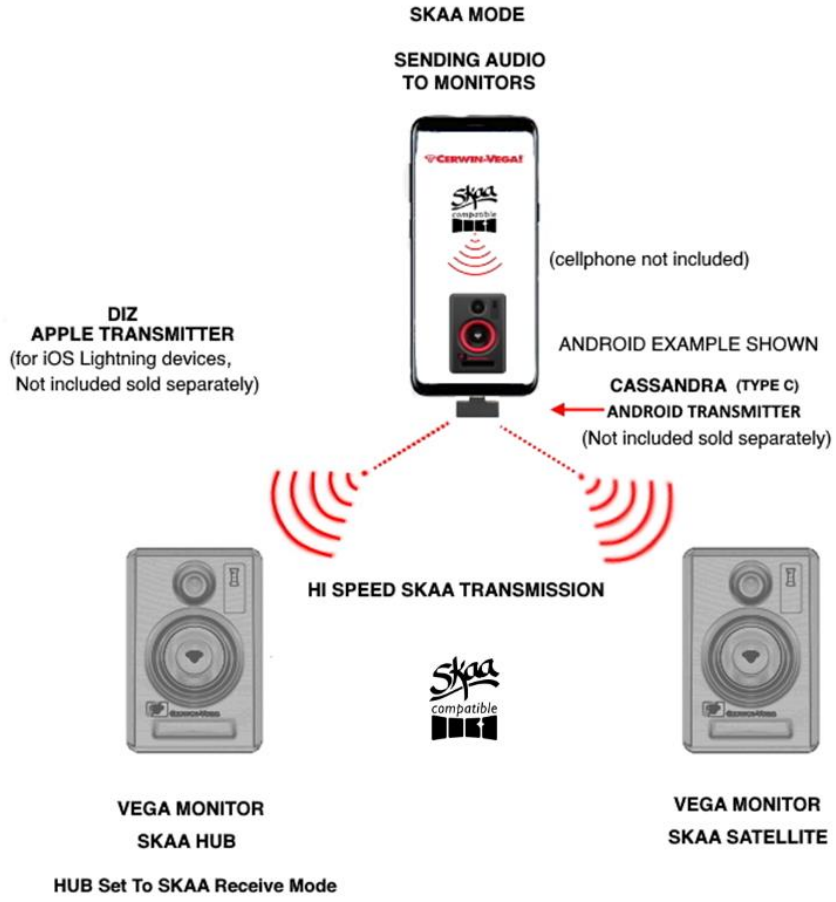


Figure 5: Cellphone connection to Monitor using SKAA mode.

Direct Wired connection: see figure 6 below.

XLR or TRS Connection:

Connect your wired connections to your HUB using either the XLR Inputs for left and right or the built in TRS connectors for left and right connection.

Select the Analog mode via the input connection button and cycle button presses until the Analog mode LED is illuminated.

Following the silk screen line from the XLR/TRS jacks over to the RCA/XLR/TRS slide switch and be sure the slide switch is set to the XLR/TRS mode.

Begin to play music on your HUB and then move over to your SAT Monitor and if no audio is present then follow the SKAA® RECEIVER USER'S GUIDE shown on pages 15 and 16 for the amount of SKAA Bond Button presses.

The monitors will continue to remember this connection even after being turned off.

Figure 6: Direct Wired Input Connections

Note: each SKAA transmitter can talk to a total of four speakers in one transmitter connection.

RCA Line in Connection: see figure 7 below.

Connect your wired connection to your Monitor HUB using the low-level line RCA inputs.

Select the Analog mode via the input mode connection button and cycle the button presses until the Analog mode LED is illuminated.

Following the silk screen line from the RCA jacks input connection down to the slide switch and set the switch to the RCA Input position.

Begin to play music on your HUB and then move over to your SAT Monitor and if no audio is present then follow the SKAA® RECEIVER USER'S GUIDE shown on pages 15 and 16 for the amount of SKAA Bond Button presses.

The monitors will continue to remember this connection even after being turned off.

Note: please see the SKAA® RECEIVER USER'S GUIDE on pages 15 and 16.

Figure 7: HUB Back Panel Direct Line-In Connections

CERWIN-VEGA

SKAA® RECEIVER USER'S GUIDE

Each SKAA receiver uses a *Green List* to remember your *favorite* audio sources (SKAA transmitters). A Green glowing Indicator on your receiver means you are listening to a favorite, or hunting for one. You can also *explore* to find new transmitters—an Amber Indicator means you are *exploring* for transmitters which are not on your Green List. The Bond Button on your receiver lets you select which audio source (SKAA transmitter) you're listening to.

Essentials

Button	*Command*	*Indicator*
Hold a few seconds	Add / Delete Manually add / delete the current transmitter to / from your Green List	● to ● = Added ● (flash) = Deleted
	Auto Add SKAA will automatically add the current Amber transmitter to your Green List if you listen to it for 30 minutes	● to ● = Added
1 Click	Green Mode Rotate through your list of *favorite* transmitters (Green List) — when a favorite transmitter is found, the search stops and audio plays from that transmitter	● (dim) = Hunting ● (flash) = Next one ● (bright) = Bonded
2 Clicks	Amber Mode Explore for new, unknown Transmitters (ones which are not already on your Green List)	● (dim) = Hunting ● (bright) = Bonded
3 Clicks	Mute do again to Unmute; any Click command will first Unmute and then do its function	●, ● or ● = Muted (slow-flash)
4 Clicks	Red Mode If you have 2 or more transmitters on your Green List, power on just the one you want to hear and it plays automatically.	● (dim) = Hunting ● (bright) = Bonded
6 Clicks	Factory Reset Clear Green List. Start Over!	● (flash) = Reset Done
Hold during power on	Make a Cluster of Receivers: 1. Power off all transmitters and receivers 2. Power on the Master receiver while holding down its Bond Button—hold the button down until the indicator begins to flash Red 3. With the remaining receivers within 3 meters of the Master receiver, power on the first one, wait for its Indicator to flash Red and then power on the second one; continue until all of them are powered on	● (flash) = Receiver has entered 'Cluster Up' mode ● (bright) = The Cluster has been successfully made

4. Once all of the indicators stop flashing (turn solid Red), power off all of the receivers

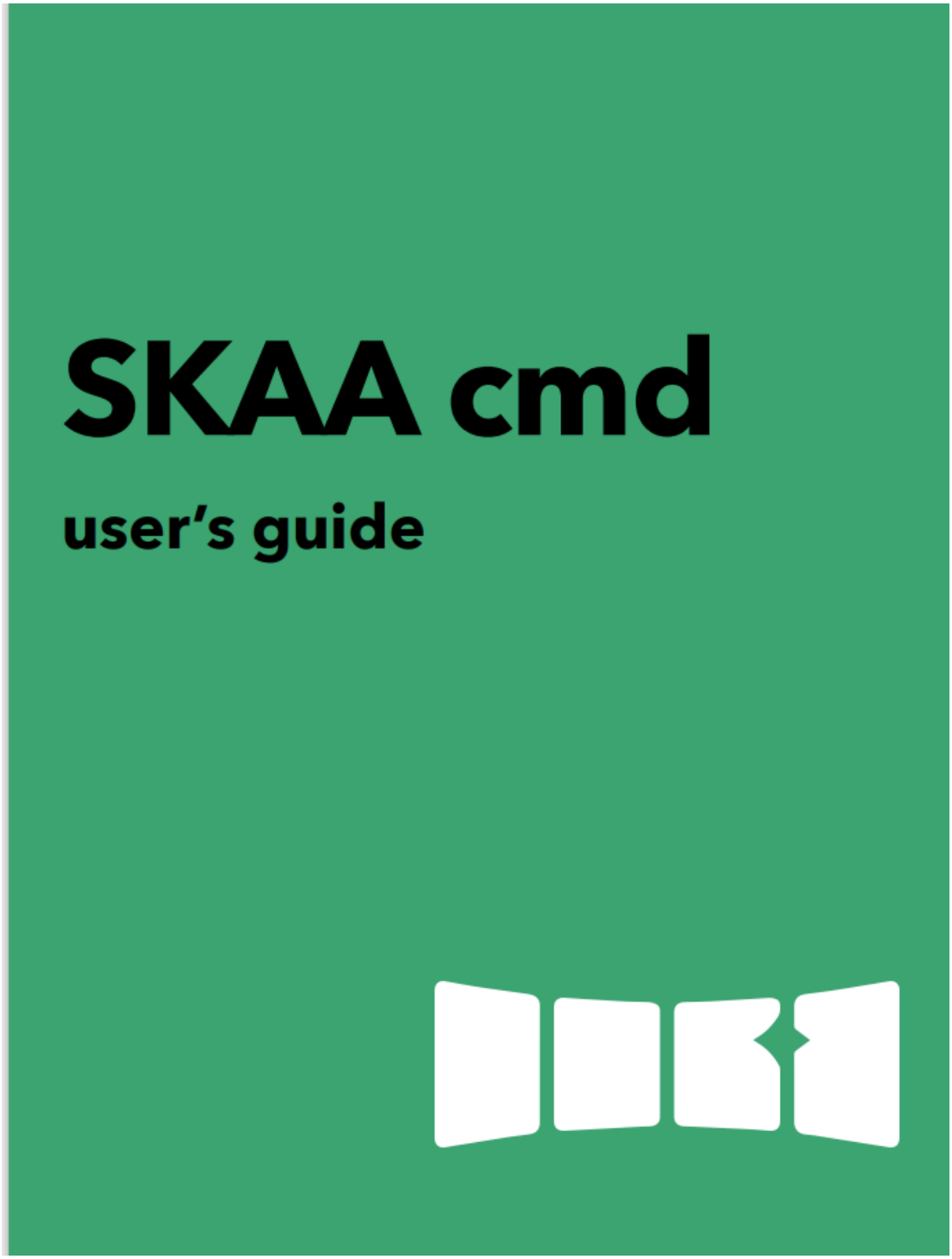
QUESTIONS AND ANSWERS

Question	Answer
How does the Green List work?	You can store up to 10 SKAA transmitters on your Green List. These are your "favorite" audio sources. Every time you add a transmitter, it is assigned the first open spot on the Green List. When you single click the ◁▶ Bond Button, the receiver hunts through the Green List much like a car radio hunts for radio stations when you press seek. If the Indicator is dim Green and flashes every few seconds, this tells you the receiver is hunting through the Green List. Say you have 5 transmitters on your Green List; your receiver will hunt through the list one by one: 1, 2, 3, 4, 5 and then back to 1 and so on. The dim Green Indicator flashes every time the receiver moves to the next spot on the list. This hunting goes on for up to 1 minute. If your receiver doesn't find any of your favorite transmitters, it stops hunting and just waits for the last bonded favorite. If your receiver does find one of your favorite transmitters, the hunting stops, the indicator turns bright green, and your receiver starts playing audio from that favorite. A dim Green Indicator that is NOT flashing means the receiver is just sitting on one spot, waiting for a specific favorite transmitter to show up.
How do I bond with a specific Green transmitter?	Play audio from your source device and ensure it has a SKAA transmitter connected. Click the ◁▶ Bond Button on your receiver. The receiver hunts through the Green List, flashing the indicator as it goes. Once your receiver finds one of your favorite transmitters, it bonds to it and plays audio from that transmitter. If that isn't the transmitter you wanted, click the Bond Button once more. Repeat until your receiver bonds with the transmitter you want and you're hearing the correct audio playing.

Question (Continued)	Answer (Continued)
How do I select transmitters if I can't reach my Bond Button?	Say you want to put your receiver on a high shelf where you can't reach the Bond Button easily. First, set up your Green List: add all of the transmitters you'll want to use. Then 4click the ◁▶ Bond Button to enter Red Mode. Now put the receiver up on the high shelf. Power on just one of your transmitters and power off all others. The receiver automatically bonds to the transmitter that's on.
How do I delete a transmitter from my Green List?	Factory Reset (6 Clicks of the Bond Button) clears the Green List and lets you start over from scratch. If, however, you'd like to delete just one transmitter from your Green List, first bond your receiver to the transmitter you wish to delete. See the section above: How do I bond with a specific Green transmitter? Once you are bonded to it, hold down the ◁▶ Bond Button for a few seconds until you see the Indicator flash Red —this Red flash means the transmitter has been deleted.
What is a Cluster?	Clusters are an optional convenience for "power users". A Cluster is several SKAA receivers behaving as one product. A left & right speaker pair, for example, or a sound bar and subwoofer.
What is the Master receiver?	In any Cluster, there is a single Master receiver, and all of the other receivers in the Cluster follow its behavior. You can control the entire Cluster by operating the ◁▶ Bond Button of the Master. A receiver must have a physical Bond Button in order to become the Master.
How do I "Un-cluster" several receivers?	Do the Make a Cluster of Receivers procedure once for each receiver, but omit Step 3. Do them one at a time. This gives each of the receivers a functioning ◁▶ Bond Button, and each of them will thereafter operate independently.
What are some tips for making Clusters?	Each step in the Make a Cluster of Receivers procedure has a 10second time limit. When you see the Master's Indicator start to flash Red, you have 10 seconds to power on the next receiver. When that receiver's Indicator starts to flash Red, you have 10 more seconds to power on the next one, and so on.
Why does only one of my Bond Buttons works?	When you make a Cluster from several receivers, the first one powered on in the Make a Cluster of Receivers procedure becomes the Master of the Cluster. Only the Master's ◁▶ Bond Button works because a Cluster uses just one Green List —the Master's Green List. The Bond Button of each of the other receivers will work only for the Mute / Unmute function (3Click of the Bond Button).
Can any group of receivers be made into a Cluster?	No. The receivers must be members of the same product family. If they are not, the Make a Cluster of Receivers procedure won't work. This is because only receivers which were designed to work together (as a single product) can be made into a Cluster.

SKAA cmd app

Directions on how to use:



SKAA cmd app

Directions on how to use (continued):

SKAA cmd

-The app you don't really need!

1. What is SKAA cmd?

SKAA cmd is a tool that gives you even more control over your SKAA transmitters and receivers. Customize the way you listen by giving unique names to your devices, controlling the volume and profile of each receiver, or changing audio channel routing configurations however you like! No matter how you like to listen, SKAA cmd can give you the control you need to do so.

SKAA cmd is available for:

- **MacOS** 10.15 or later
- **Windows** 10 or later
- **iOS/iPadOS** 11.0 or later
- **Android** 5.0 (Lollipop) or later

and works with these four transmitters:

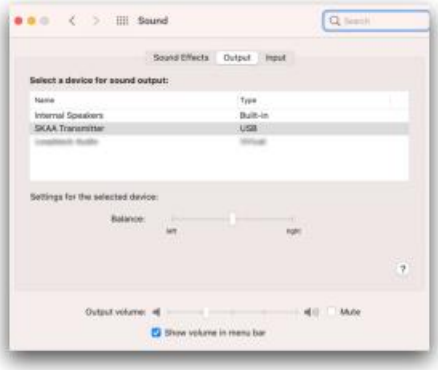
- **Cassandra**
- **Diz**
- **Gemma**
- **Ursula**

SKAA cmd is available for download for iOS, iPadOS, and MacOS from the Apple App Store, for Android from Google Play, and for Windows and MacOS from SKAA.com/tlc

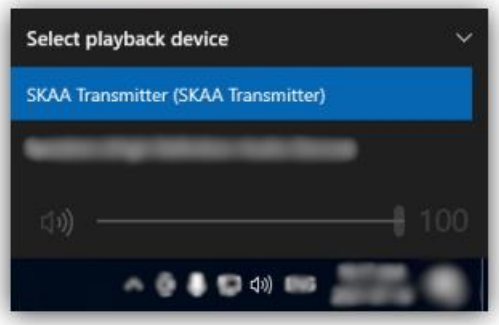
2. Set up your SKAA transmitter

On MacOS and Windows, the operating system must be configured to play music through SKAA. Don't worry, though, this is easy to do. Just navigate to your computer's sound settings and choose your SKAA transmitter.

On MacOS, you can select your SKAA transmitter to be the audio output device in your *System Preferences* or from the sound settings in the menu bar



Windows 10 lets you change the output device by clicking the sound icon in the taskbar.



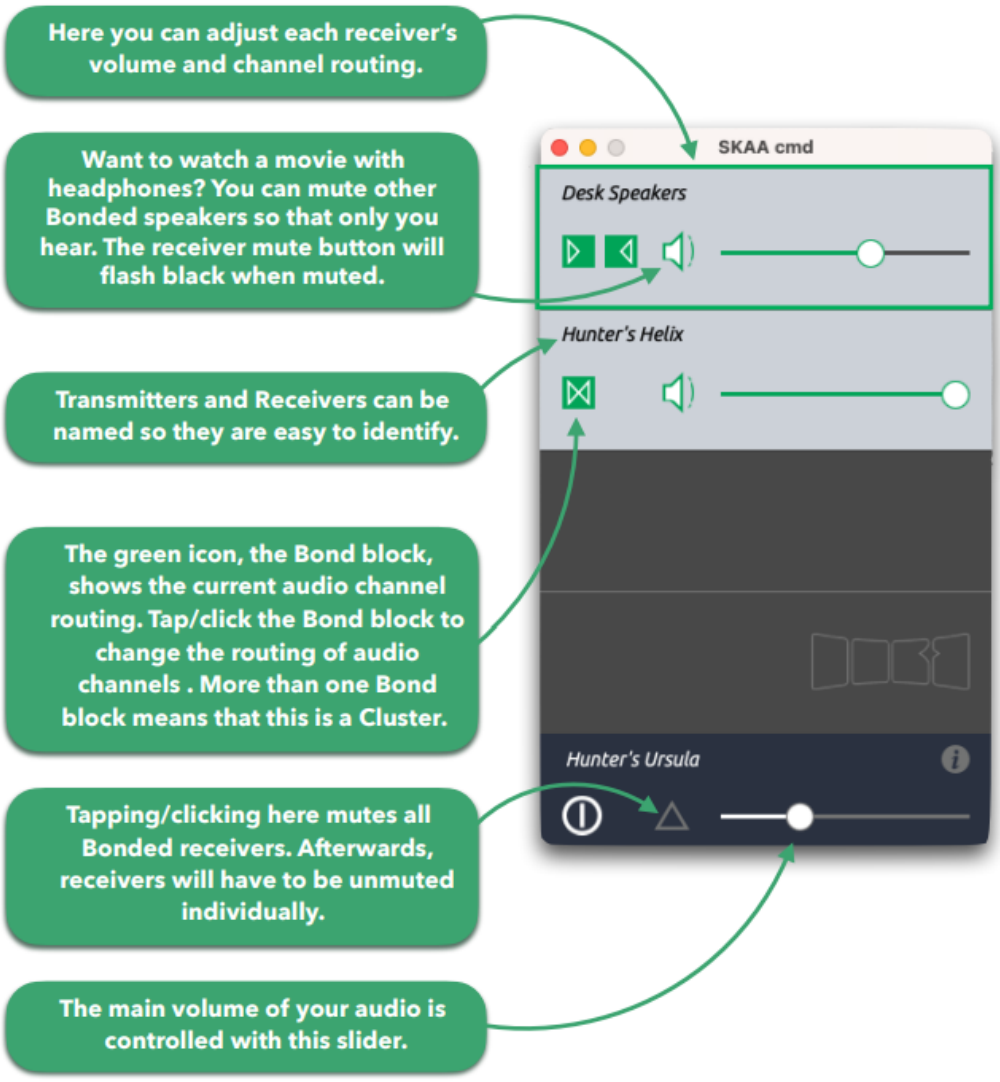
CERWIN-VEGA

SKAA cmd app

Directions on how to use (continued):

3. Manage Your Receivers

The main screen shows a list of currently Bonded receivers.

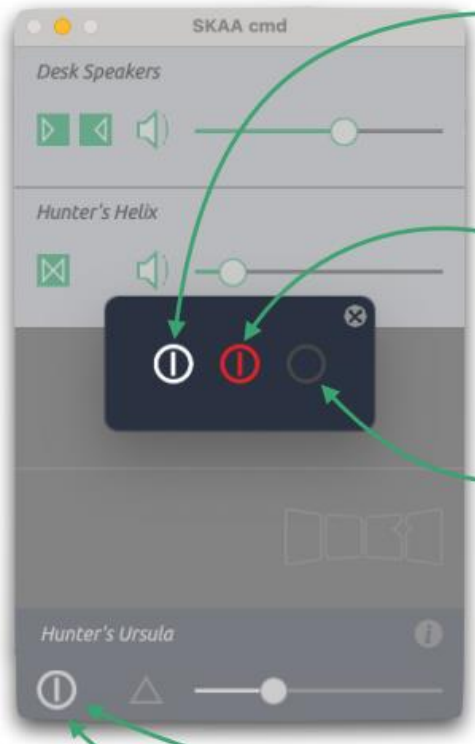


SKAA cmd app

Directions on how to use (continued):

4. Power your transmitter!

Tapping on the power mode button in the main screen will open the Power State Menu for your transmitter.



White: This setting will turn off the transmitter after a couple minutes of no audio. When audio returns, the transmitter will turn back on.

Red: This setting will keep the transmitter on at all times.

Grey: This setting will turn the transmitter off, even if audio is playing.

Tapping the power mode button will open the Power State Menu.

A line in the power mode button means the transmitter is currently on.

CERWIN-VEGA

SKAA cmd app

Directions on how to use (continued):

5. Choose how you listen in the Node Menu

Tapping the green Bond block next to a receiver will show the node menu. SKAA lets you Bond multiple receivers (up to 4) to a single transmitter with matching low latency. This enables powerful and wireless stereo sound. From the node menu, you can adjust each receiver to tailor your listening experience.

Profiles:
Receivers can have profiles assigned to them. Profiles are like tags that tell your transmitter how to treat the receiver and how to route audio to it. For example, headphones can be set to the *Hp0* profile. When this profile is set, all other receivers will be muted when your headphones Bond to your SKAA transmitter. This behaves similarly to your phone speaker muting when plugging in old-school headphones. You know, when phones still had headphone jacks?

Profiles can be changed from the Node Menu by tapping the current profile and typing in the one you choose.

Not all transmitters support profiles. If you are not sure if your transmitter supports profiles, consult your owner's manual. For a full list of available profiles, visit SKAA.com/tlc.

Node Volume Trim:
Some receivers have an extra layer of customization to tailor your audio even further - Node Volume Trim. When node volume trim is enabled in a receiver, a fader will appear in the corresponding node menu. Typically, node volume is enabled on subwoofers when Clustered and may or may not be visible if the receiver is not in a Cluster. If it is enabled, the node fader can be used to adjust the volume of individual receivers within a Cluster. Perfect for getting just the right amount of bass.

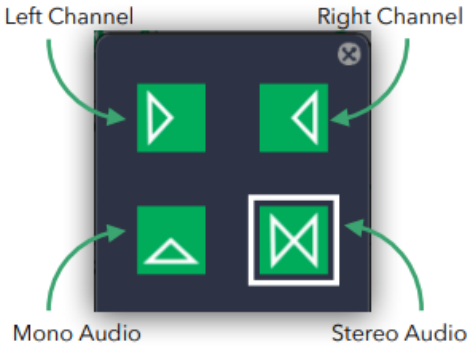
6. Audio Channel Routing?

Some receivers, like the Dillinger Helix Headphones, support stereo audio on their own. Others may only support a single channel and can only play left, right, or mono (left and right summed). However, receivers that support only one channel can be used together for stereo sound!

SKAA cmd app

Directions on how to use (continued):

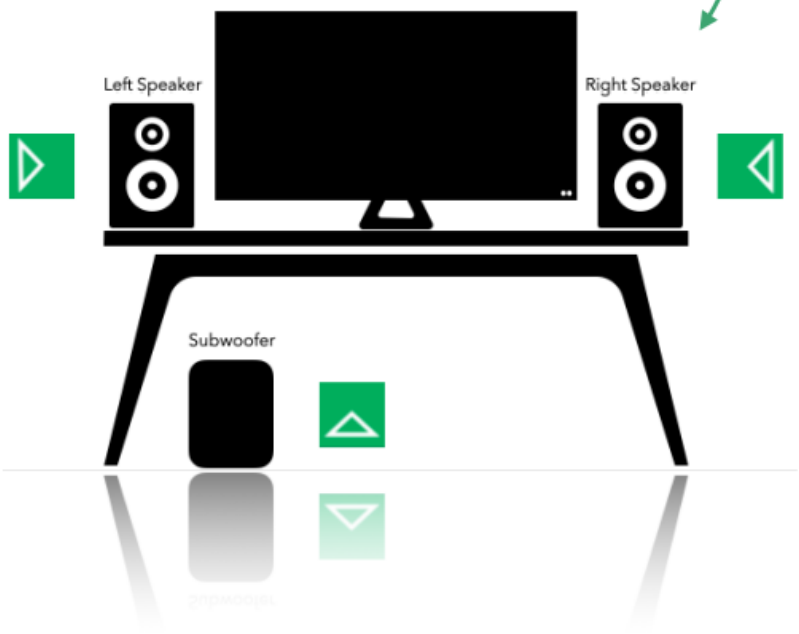
The channel configuration of a receiver can be chosen from the Node Menu.



Some receivers will show diagonal lines to indicate unsupported routing modes.

Audio Channel Routing: An example

- In the image below, we have a 2.1 Sound System (two full-range speakers plus one subwoofer).
- We assign the left and right channels to their respective receivers (speakers) in SKAA mode.
- The subwoofer is assigned a mono channel for all the bass.
- Now you can watch a movie or listen to music with clean stereo separation!

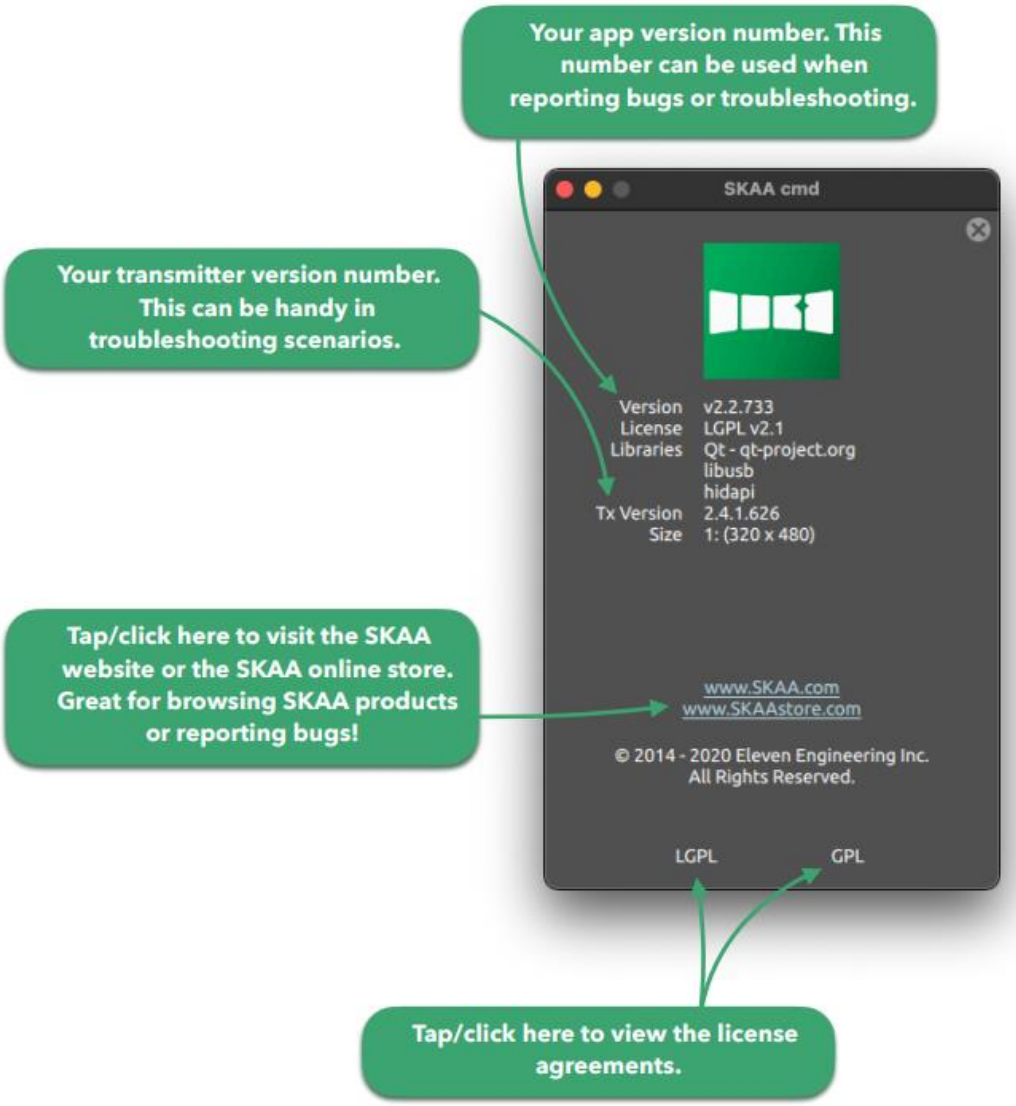


SKAA cmd app

Directions on how to use (continued):

7. Info Screen

- Tapping/clicking the ⓘ on the main screen will take you to the Info Screen



VEGA STUDIO MONITOR

ACCESSORIES

V10SG example shown above

MONITOR NOISE ISOLATION PAD

(WITH REMOVABLE TOP HALF TILT MONITOR DOWNWARD OPTION)

MODEL	ISOLATION PAD PART NUMBER
VEGA4SB	V4SPAD
VEGA6SB	V6SPAD
VEGA8SB	V8SPAD
VEGA10S	V10SPAD

FOR LATEST PRICING SEE: WWW.CERWINVEGA.COM

VEGA STUDIO MONITOR GRILLE

(WITH NON-MARRING SECURE MAGNETIC LOCK MOUNT)

MODEL	GRILLE PART NUMBER
VEGA4SB	V4SG
VEGA6SB	V6SG
VEGA8SB	V8SG
VEGA10S	V10SG

FOR LATEST PRICING SEE: WWW.CERWINVEGA.COM

ACCESSORIES

(CONTINUED)

SKAA Transmitter adapters can be obtained from the SKAA Store: https://www.skaastore.com

Ursula	USBA Used on Desktop/Laptop Computers, NAS Devices & Game Consoles.	
DIZ	Lightning Used on iOS smartphones, tablets and computers.	
Cassandra	USBC Used on iOS and Android smartphones, tablets, computers, PC's.	
Gemma	MicroUSB Used on android devices and other mobile PMP's.	
Akiko	Analog Stereo – 3.5mm stereo Used on AV Receivers, preamps, CD Players, tape machines, set top boxes, mixers, etc.	
Talisa	Digital Stereo on TOSLINK Optical & S/PDIF Used on game consoles, media players, AVR's, STBs, and computers.	

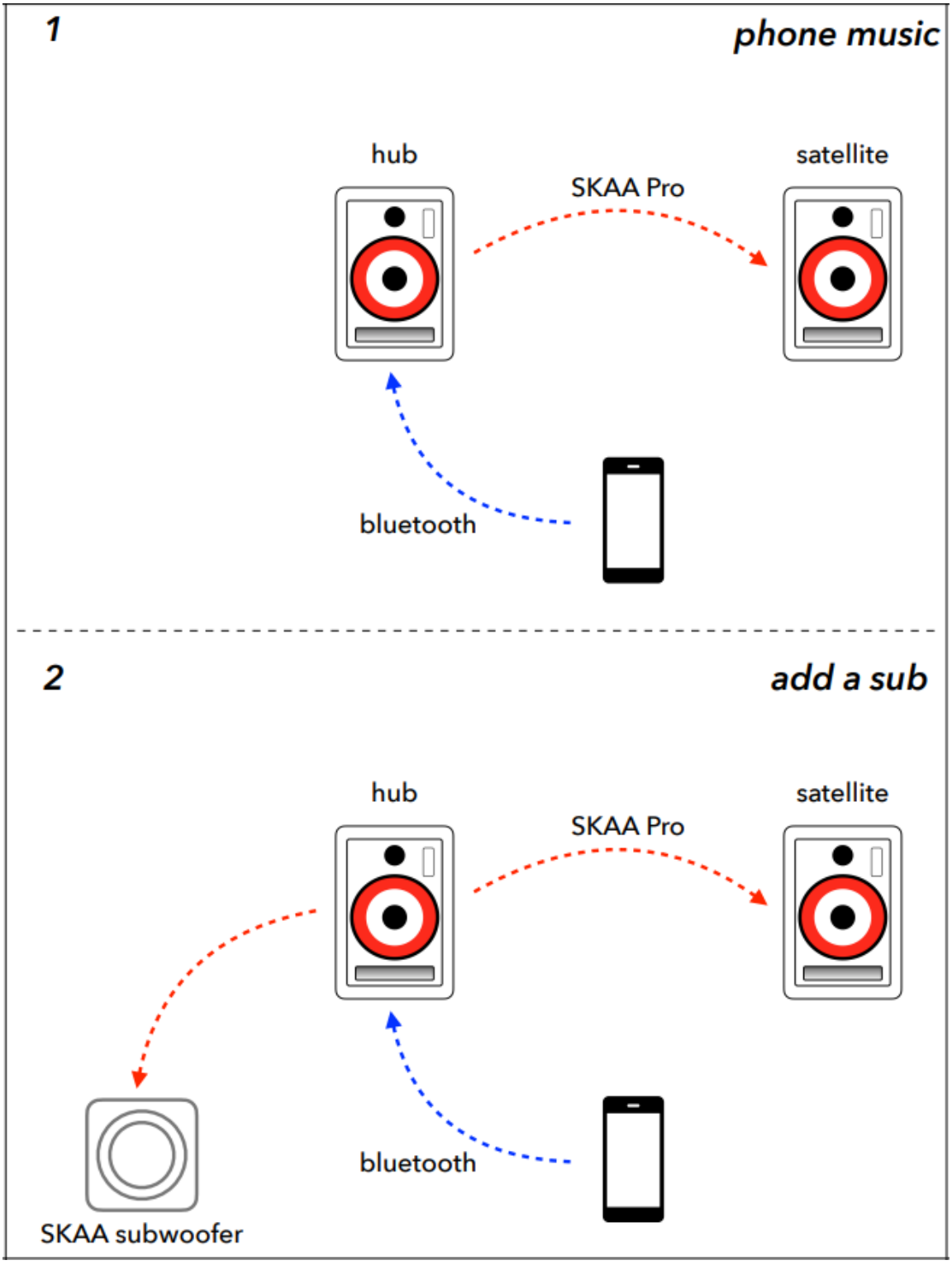
ACCESSORIES

(CONTINUED)

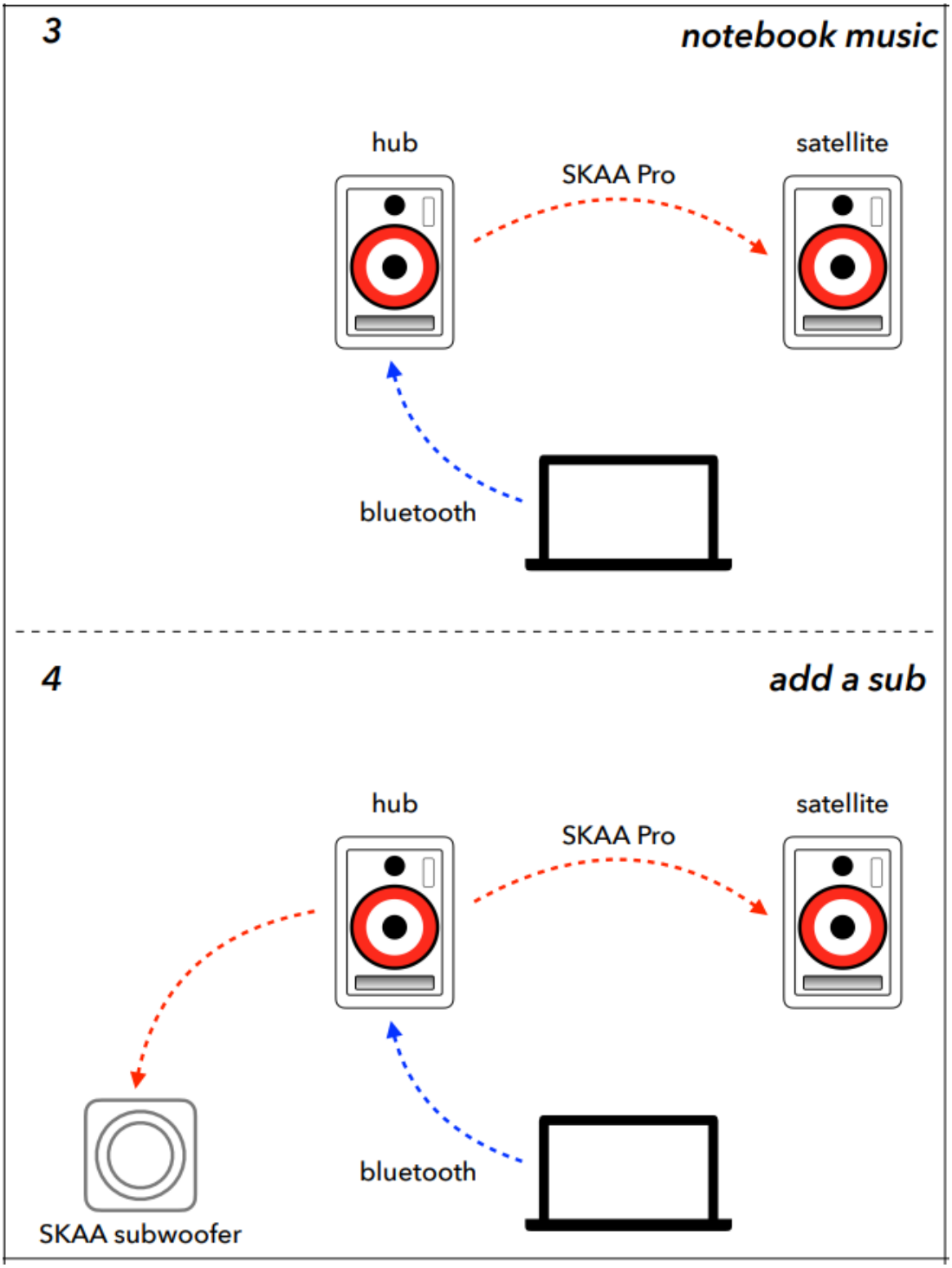
VEGA STUDIO MONITOR – HUB (SINGLE)	VEGA STUDIO MONITOR – SAT (SINGLE)
You can purchase additional HUBs separately as required. Please see our website: www.cerwinvega.com for costing and availability. **Examples:** • You accidently dropped and damaged your HUB and would like to purchase a replacement. • You wish to add more combinations of HUBs to multiple rooms.	You can purchase additional SATs separately as required. Please see our website: www.cerwinvega.com for costing and availability. **Examples:** • You accidently dropped and damaged your SAT and would like to purchase a replacement. • You wish to add more combinations of SATs to multiple rooms.

CERWIN-VEGA

USE CASES



USE CASES
(CONTINUED)



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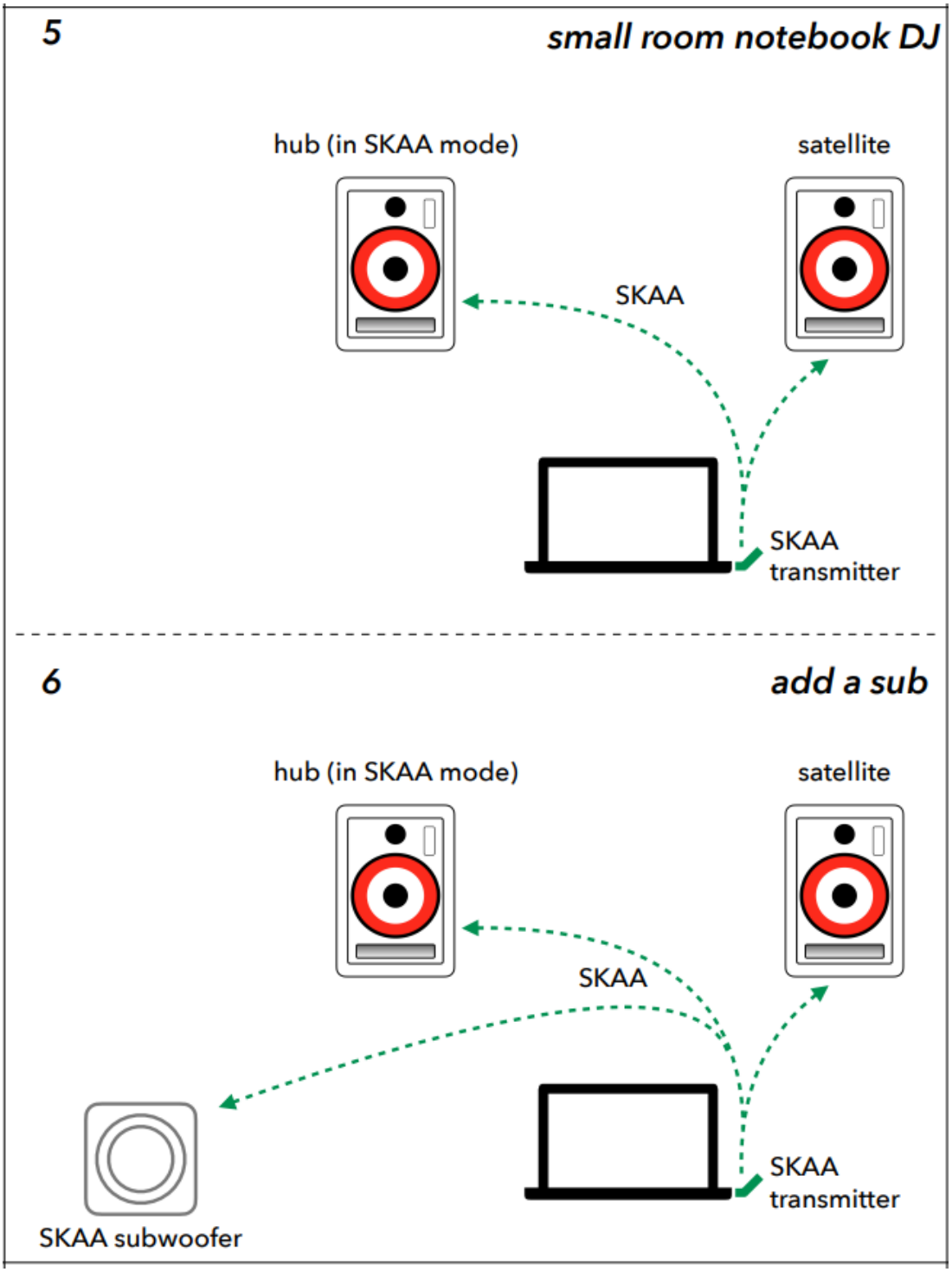

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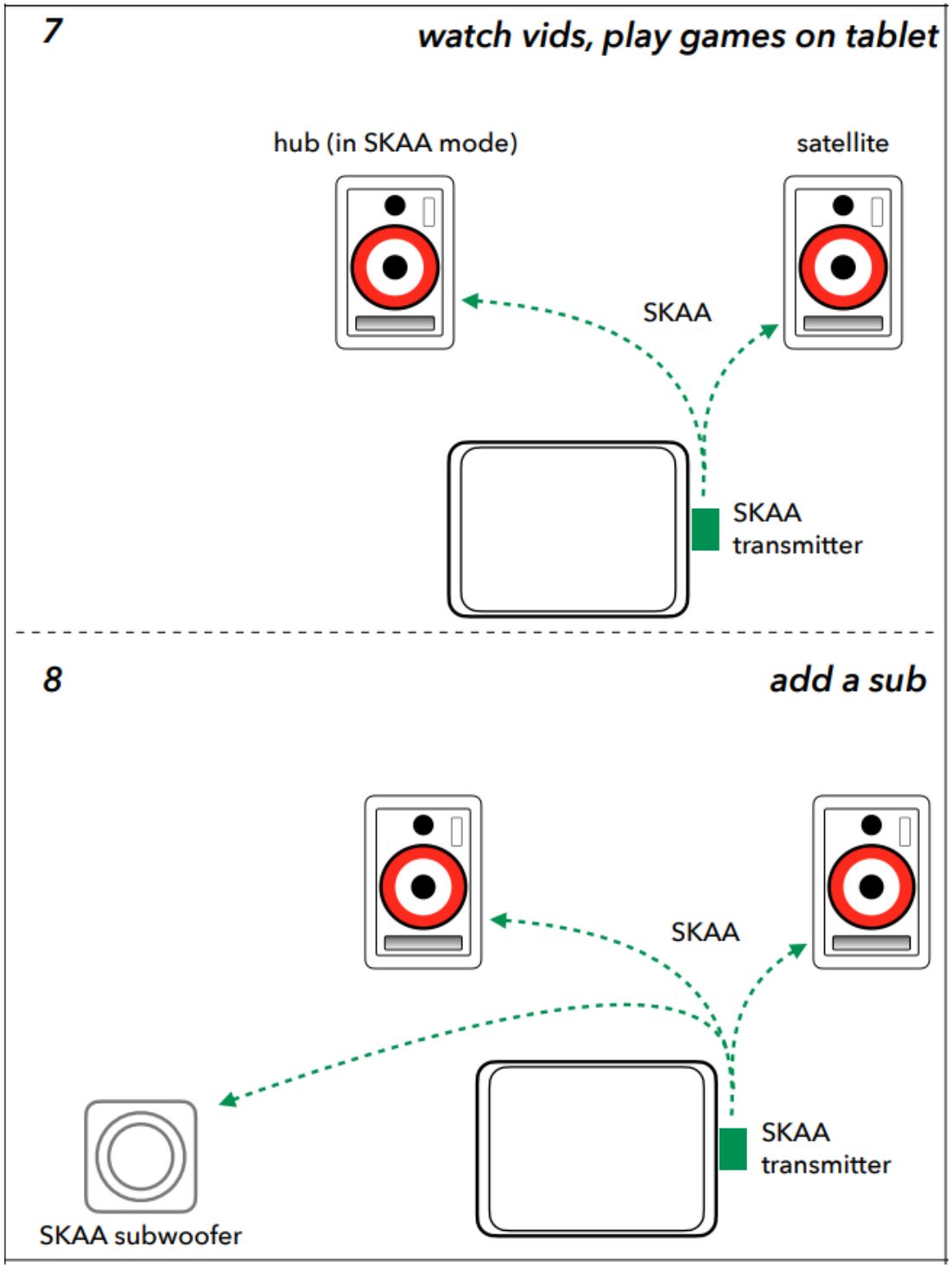

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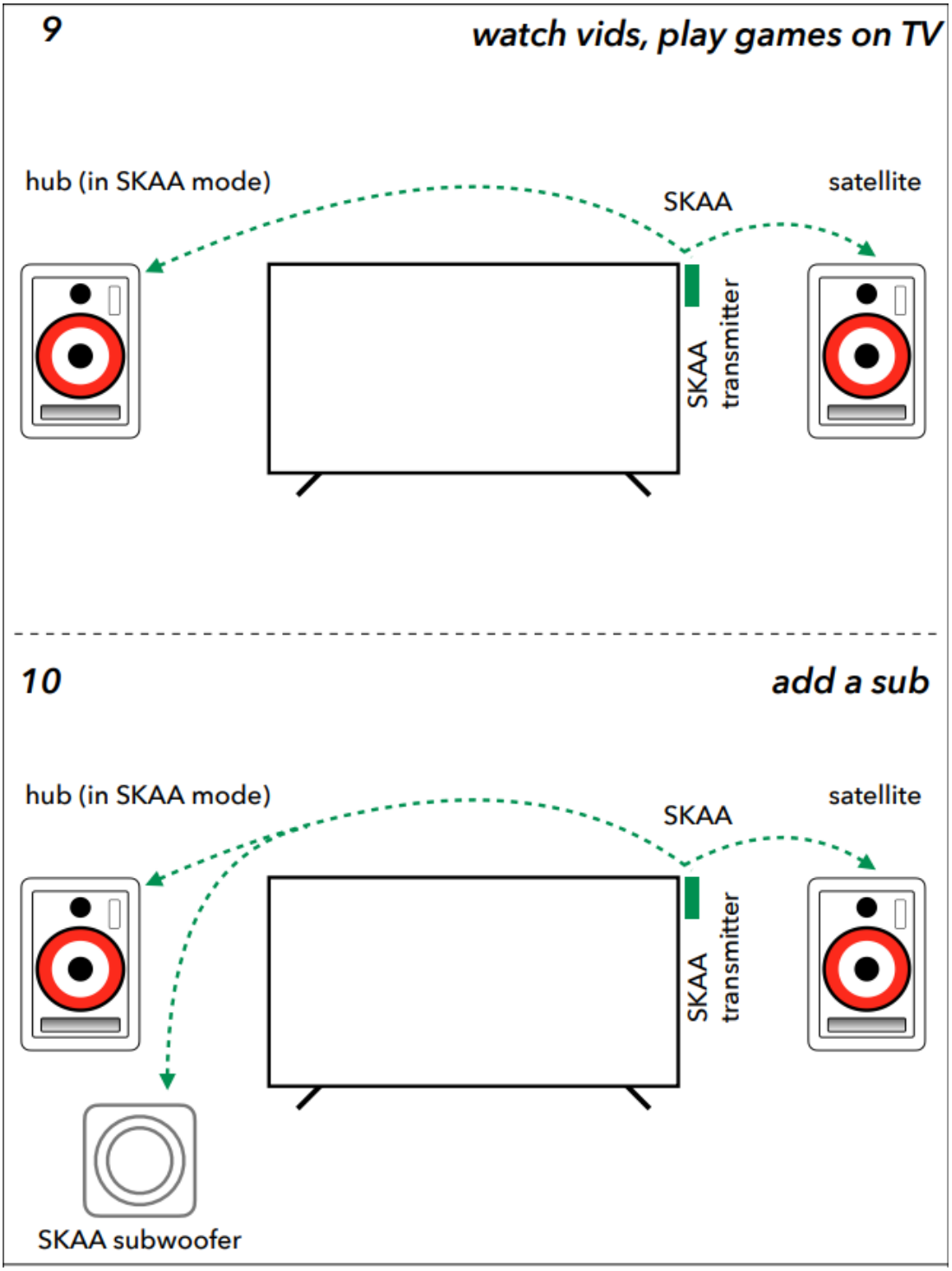

CERWIN-VEGA

USE CASES

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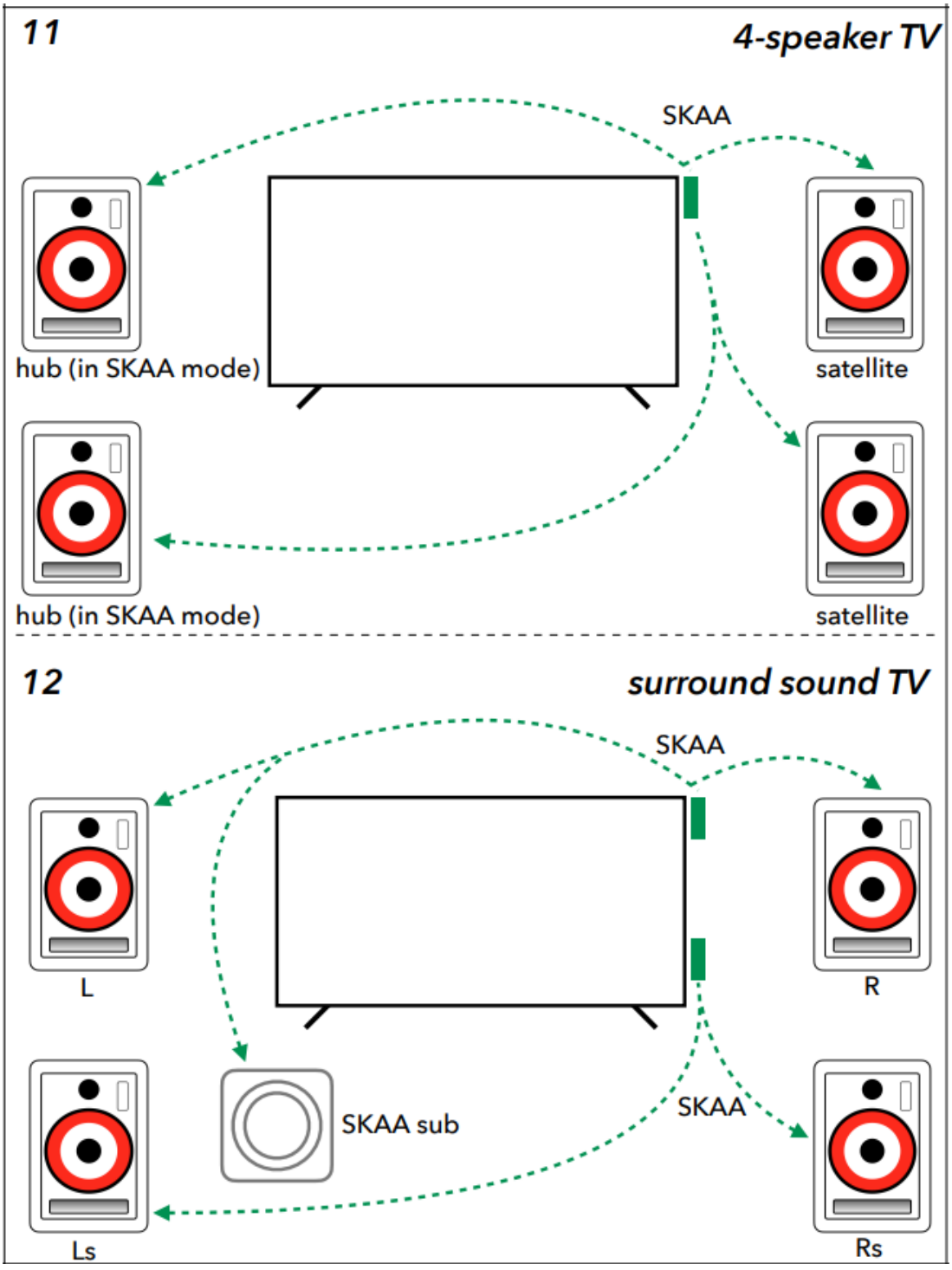

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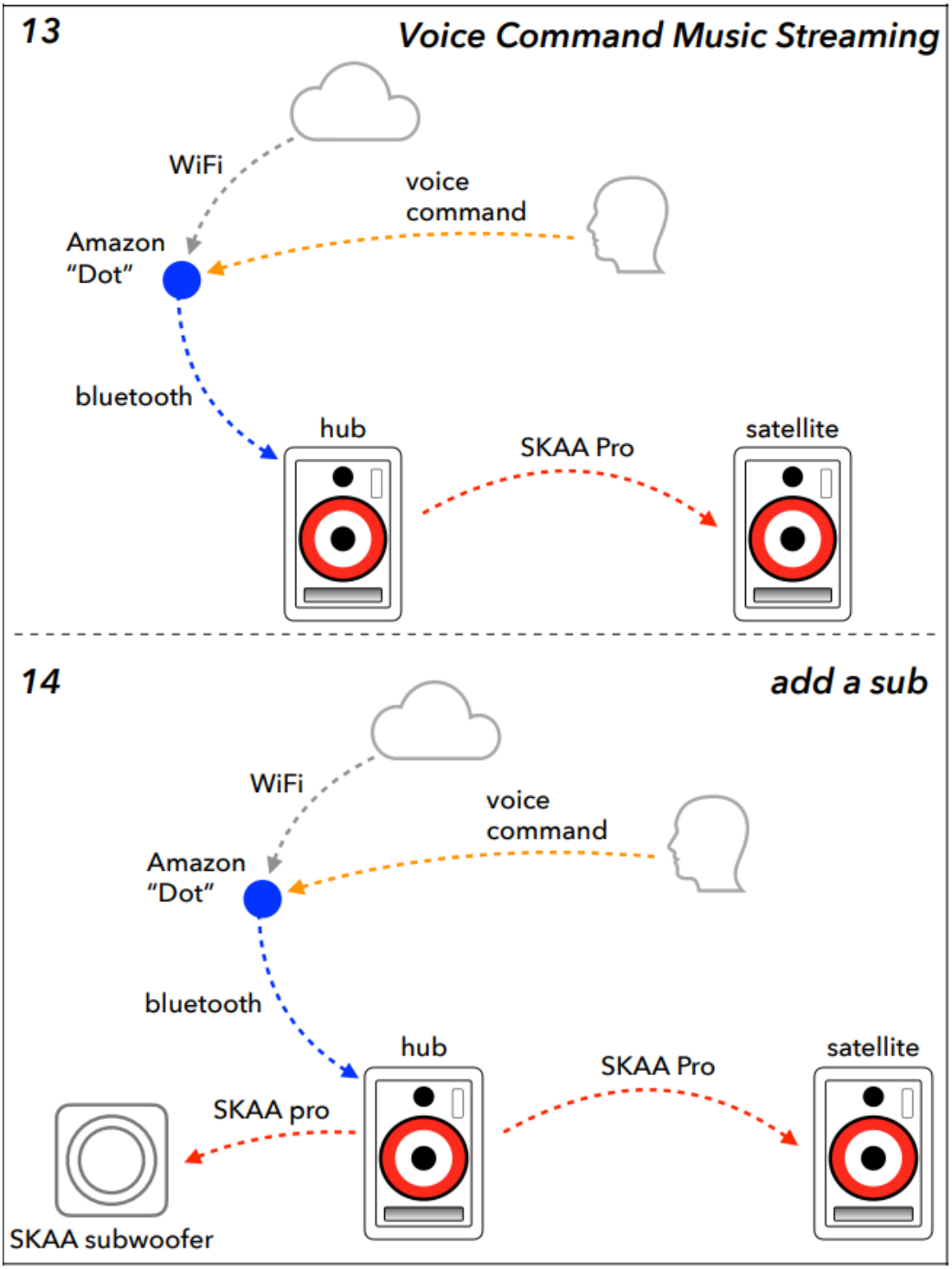

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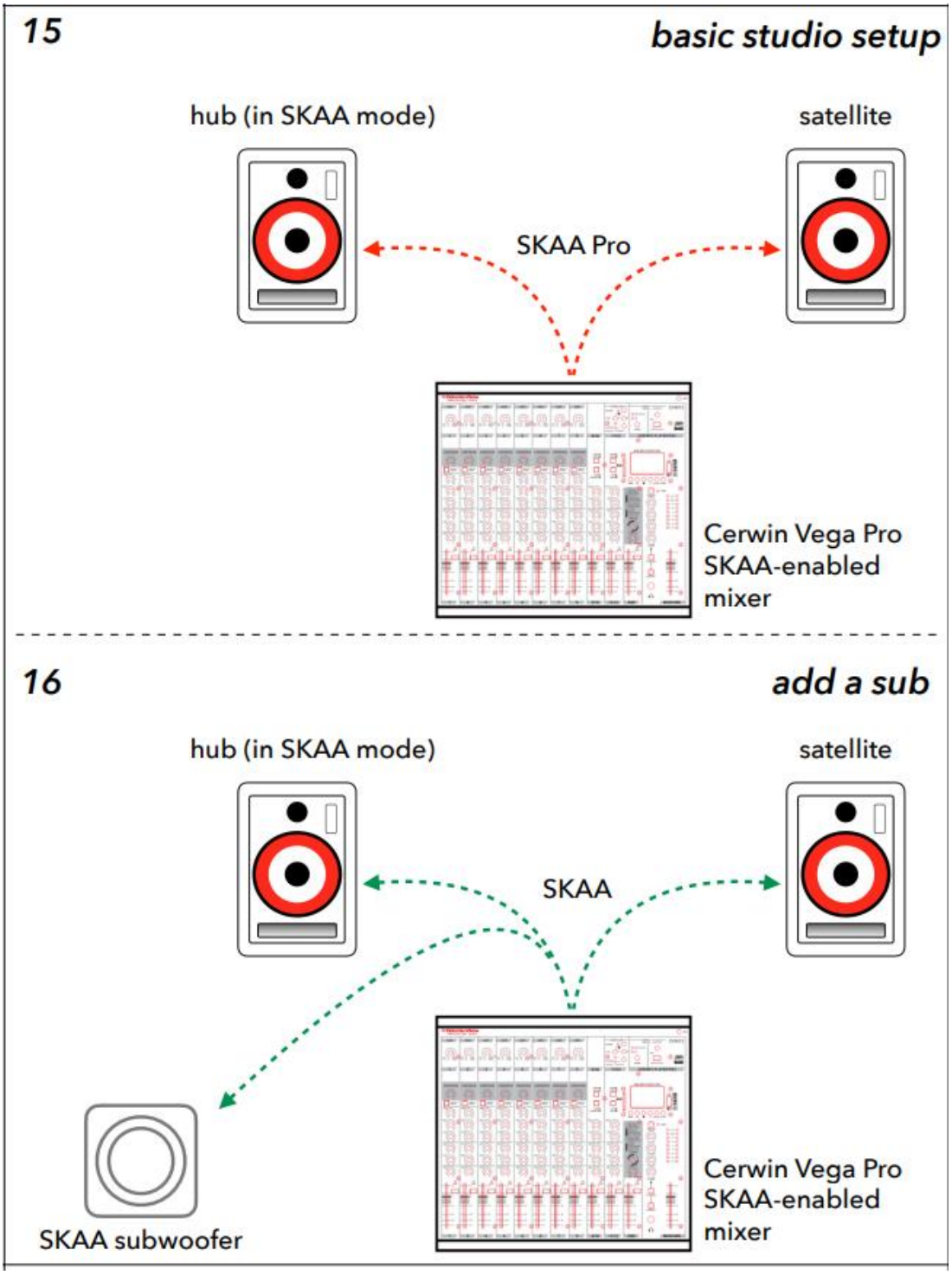

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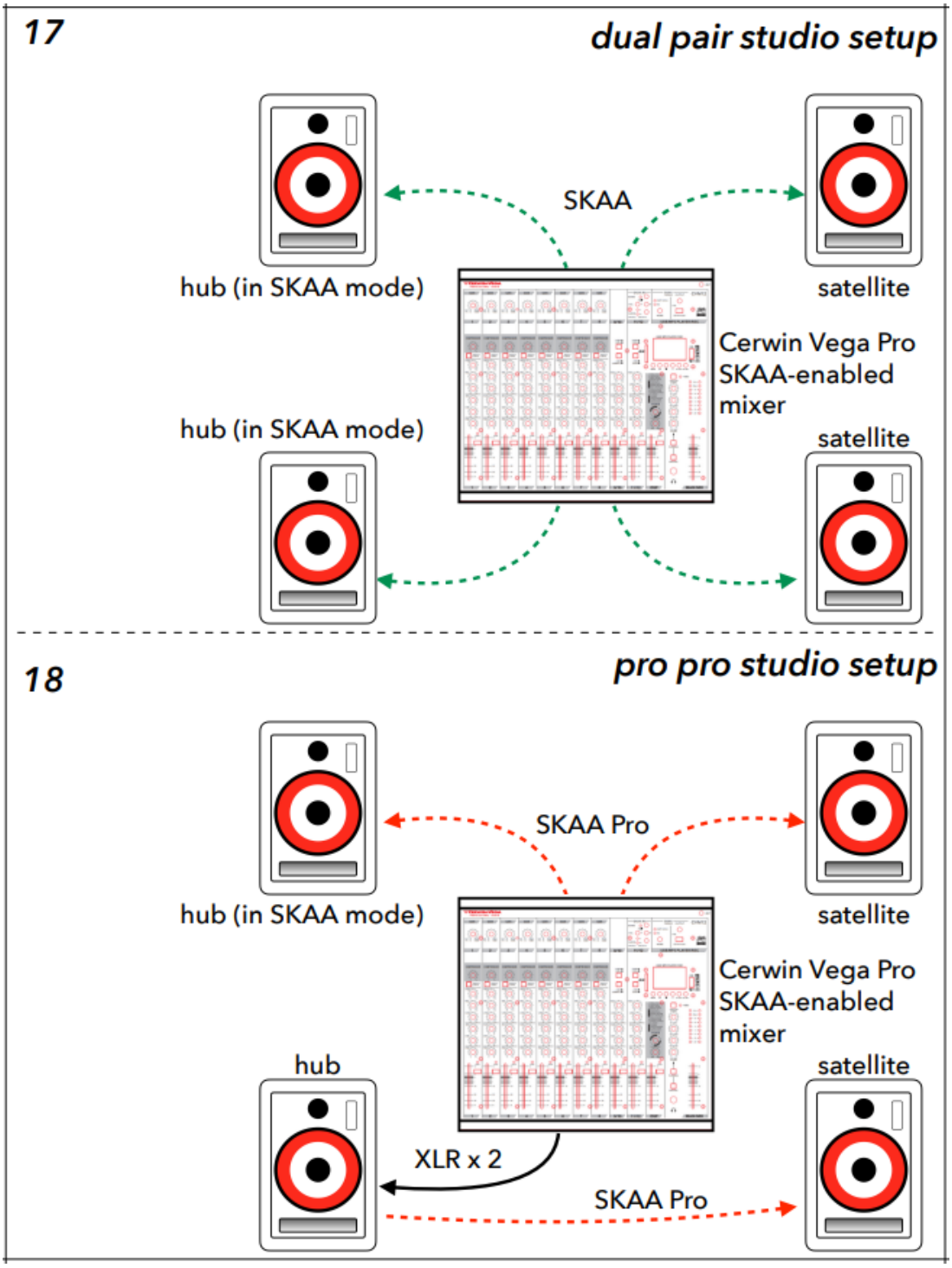

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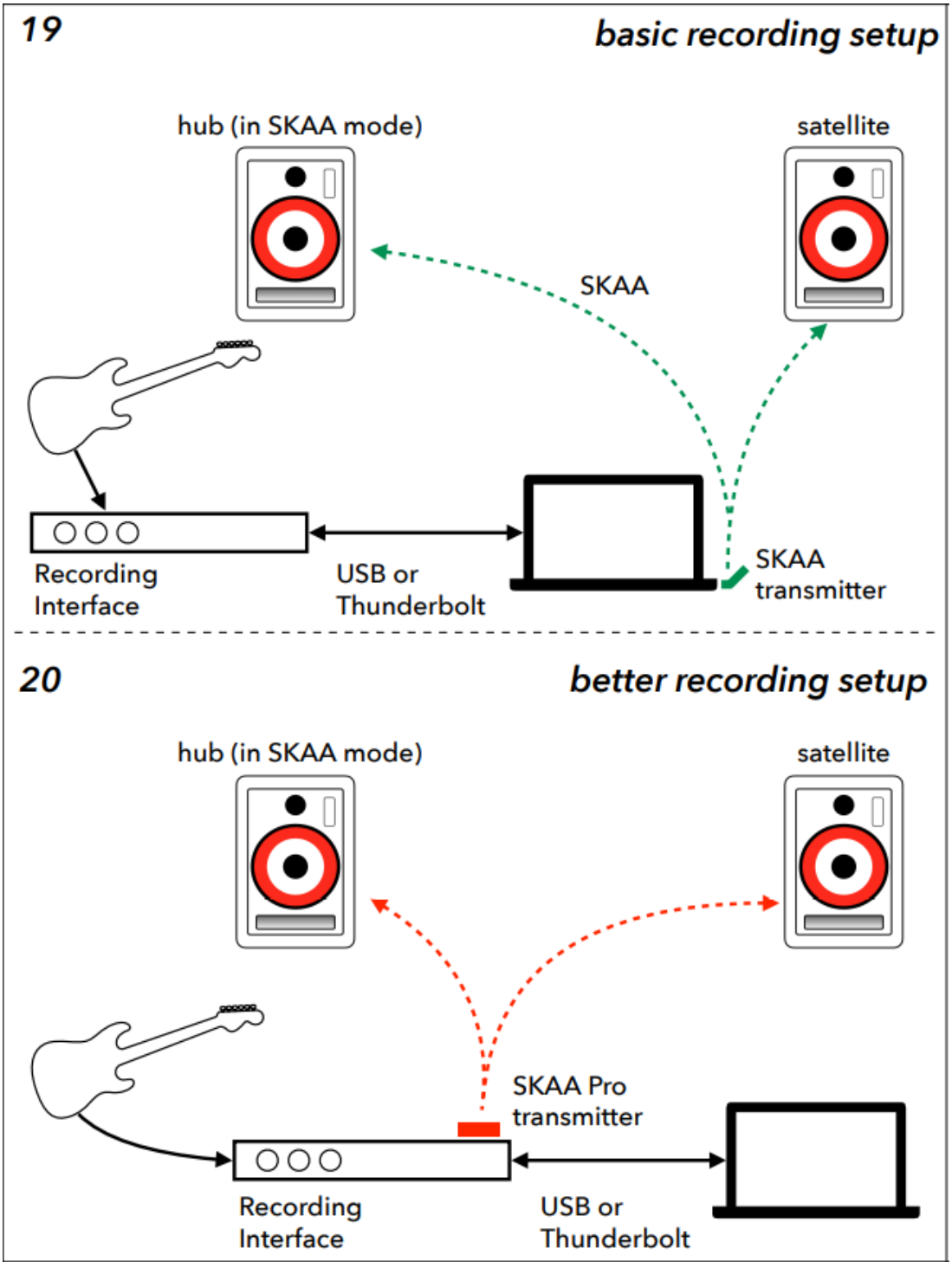

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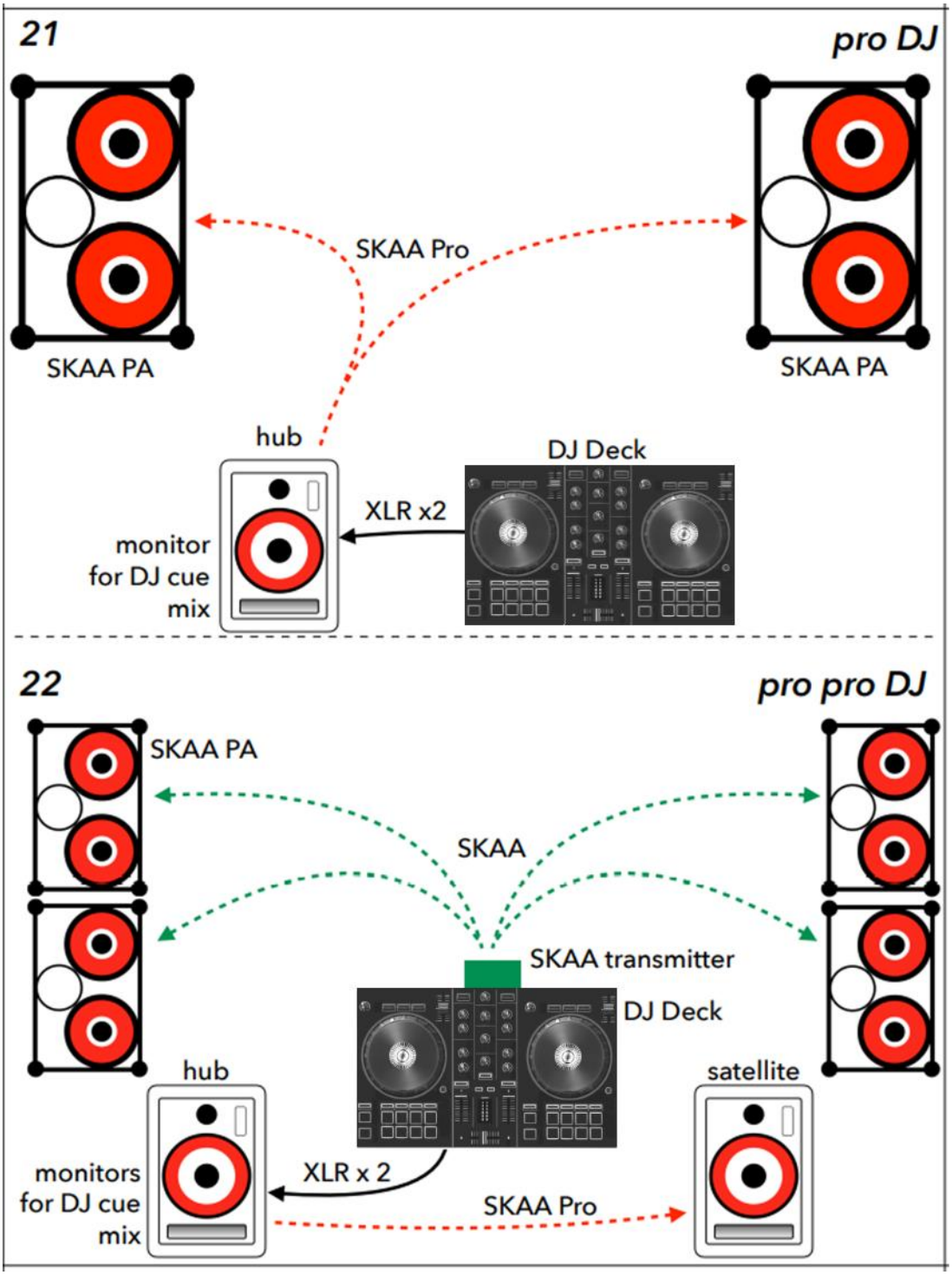

USE CASES
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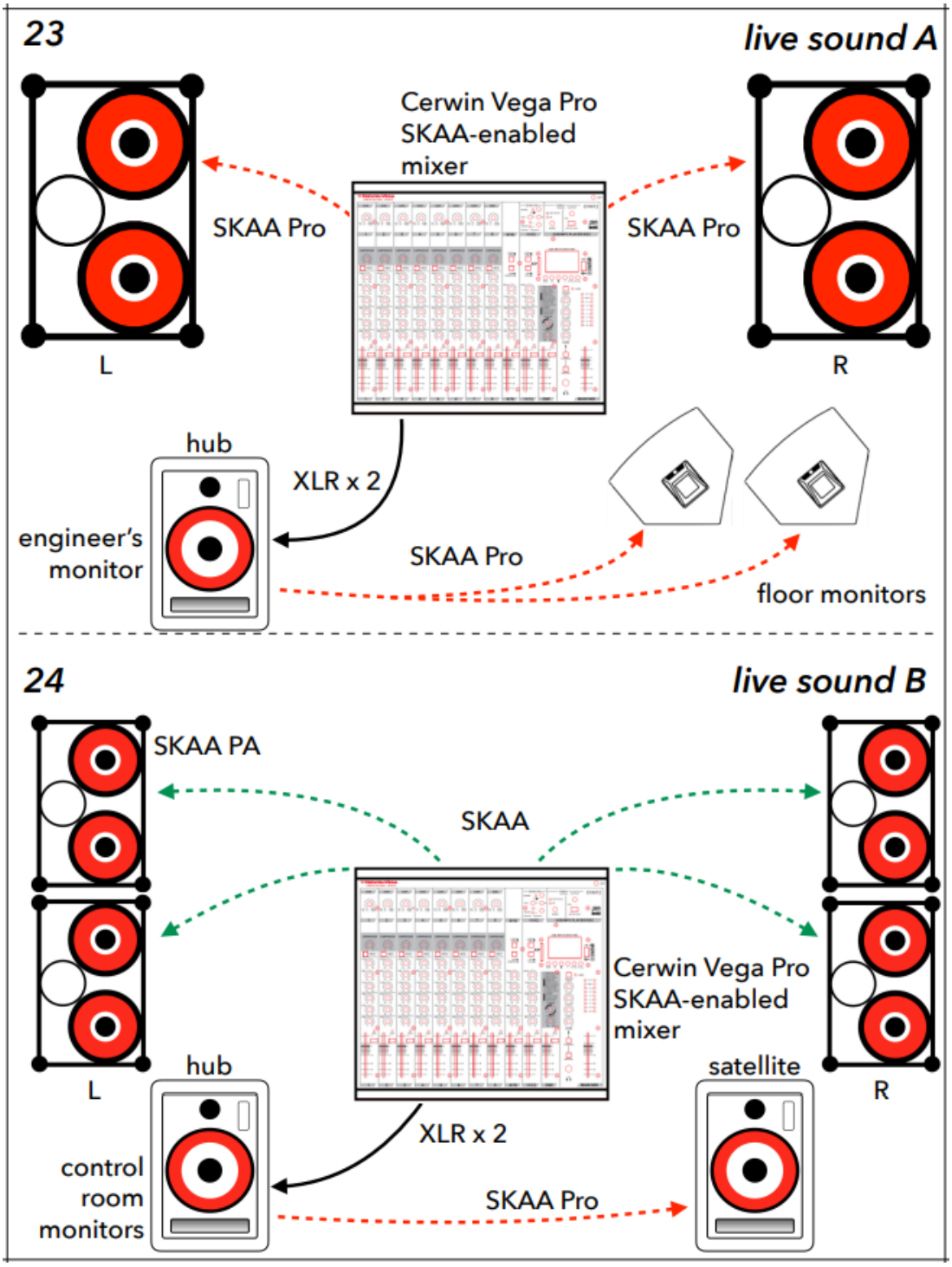
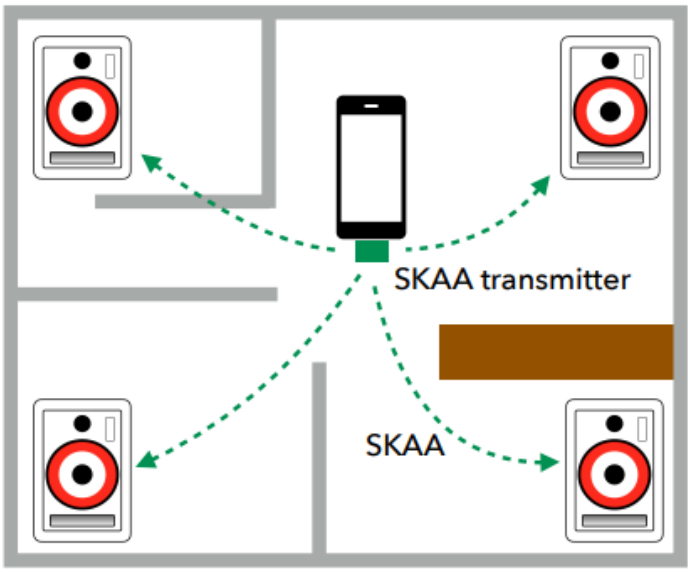
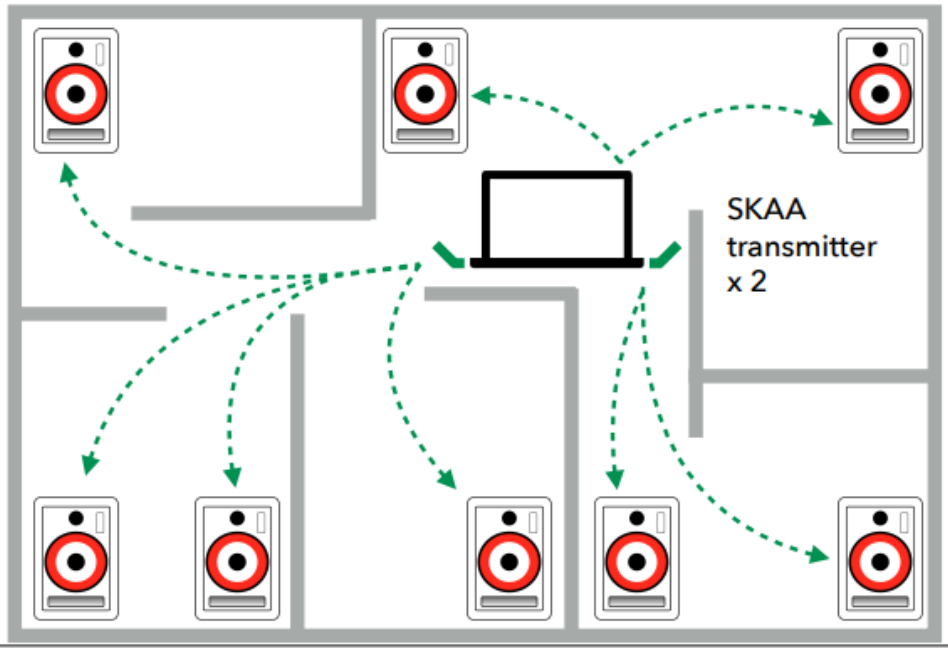


USE CASES
(CONTINUED)

25 *basic multi-room*



26 *8-speaker multi-room*



HOME PRODUCTS WARRANTY & PRODUCT REGISTRATION

If at any time your Cerwin-Vega home product malfunctions as a result of faulty materials or workmanship, Cerwin-Vega or one of Cerwin-Vega's Authorized Service Centers in the United States of America will repair the defect(s) or replace the merchandise, as it deems appropriate at its sole discretion based upon the information presented below.

Warranty Period (from date of Purchase as listed on the Bill of Sale):

2 Years Passive (does not include headphones)

1 Year Active (amps, all headphones active or passive, mixers, etc.)

The end customer must register their product with Cerwin-Vega within 15 days of ownership.

To register your product, go to our website: https://cerwinvega.com/customer/account/login/ and sign in or create an account.

Warranty is not transferable from person to person.

To claim warranty a customer must have purchased the product through an authorized Cerwin-Vega Dealer located in the United States of America.

Any model series not listed below is not warranted.

Only the following home model series listed below (Active Models) would be offered any form of warranty by the newly formed Cerwin-Vega company.

VEGA Studio Monitors, SL series and XLS series and HB Headphone Series.

CERWIN-VEGA!, INC. will warrant all replacement parts and repairs for ninety (90) days from the date of original shipment.

THIS WARRANTY IS EXTENDED TO THE ORIGINAL RETAIL PURCHASER ONLY AND MAY NOT BE TRANSFERRED OR ASSIGNED TO SUBSEQUENT OWNERS.

IN ORDER TO VALIDATE YOUR WARRANTY, AND AS A CONDITION PRECEDENT TO WARRANTY COVERAGE HEREUNDER, YOU MUST REGISTER YOUR WARRANTY WITHIN FIFTEEN (15) DAYS FOLLOWING THE ORIGINAL DATE OF PURCHASE-YOUR PROOF OF PURCHASE OR SALES RECEIPT MUST ACCOMPANY ALL REQUESTS FOR WARRANTY COVERAGE.

HOME PRODUCTS WARRANTY

(Continued)

This warranty is subject to the following limitations:

This warranty does not cover the following items listed below:

- Any merchandise that has been altered or modified in any way or upon which the serial number has been tampered with or altered.
- Any merchandise whose warranty card has been altered or upon which false information has been given.
- Any merchandise that has been damaged due to misuse, negligence, or improper operation.
- Any merchandise that has been damaged by accident, flood, fire, lightening, or other acts of God.
- Shipping damage of any kind.
- Any merchandise that has been subjected to extremes of humidity or temperature.
- Any merchandise that has been purchased from an unauthorized dealer, or upon which unauthorized repair or service has been performed.

CERWIN-VEGA!, Inc. MAKES NO OTHER EXPRESS WARRANTY OF ANY KIND WHATSOEVER.

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEEDING THE SPECIFIC PROVISIONS OF THIS WARRANTY ARE HEREBY DISCLAIMED AND EXCLUDED FROM THIS WARRANTY.

SOME STATES AND/OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES SO THAT THE ABOVE MAY NOT APPLY TO YOU.

CERWIN-VEGA!, INC. SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT CONSEQUENTIAL, INCIDENTAL OR OTHER SIMILAR DAMAGES SUFFERED BY THE PURCHASER OR ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION, DAMAGES FOR Loss OF PROFITS OR BUSINESS OR DAMAGES RESULTING FROM USE OR PERFORMANCE OF THE MERCHANDISE, WHETHER IN CONTRACT OR IN TORT, EVEN IF CERWIN-VEGA!, INC. OR ITS AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND CERWIN-VEGA!, INC. SHALL NOT BE LIABLE FOR ANY EXPENSES, CLAIMS, OR SUITS ARISING OUT OF OR RELATING TO ANY OF THE FOREGOING.FOR MERCHANDISE PURCHASED FROM AN AUTHORIZED CERWIN-VEGA DISTRIBUTOR OUTSIDE OF THE US, PLEASE CONTACT THE DISTRUBUTOR FROM WHOM you PURCHASED YOUR MERCHANDISE FOR THE HANDLING AND RESOLUTION OF ALL WARRANTY ISSUES. FOR THESE PURCHASES, THE ABOVE-DESCRIBED WARRANTY IS NOT APPLICABLE. “

www.cerwinvega.com

CUSTOMER SERVICE

How do you get Warranty service?

In order to obtain warranty service, contact your original dealer or distributor, or an Authorized Cerwin-Vega! Service Center first.

If, for some reason, you have trouble locating a service representative, contact Cerwin-Vega's Customer Service Department for assistance:

Cerwin-Vega!
Customer Service Dept.
3761 S. Hill Street
Los Angeles, CA 90007
+1 (844) 844-1339
Email: ra2@dat-cvm.com

In some cases, the Customer Service Department can solve a service problem without any return of equipment, thereby avoiding transit delays.

For more information, visit https://cerwinvega.com/warranty-information/ look for the HOME PRODUCTS WARRANTY section.

WARNINGS

FCC Warnings

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 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 help.

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.

This device complies with part 15 of the FCC Rules. and with Industry Canada Licence-exempt RSS standard(s). 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.

WARNINGS

IC WARNING
This radio transmitter has been approved by Industry Canada.
This Class B digital apparatus complies with Canadian standard ICES-003.

This device complies with Industry Canada License exempt RSS standard(s). Operation is subject to the following two conditions.
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

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.

Industrie Canada (IC)

Le présent appareil est conforme aux CNR d'Industrie Canada applicablesaux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

AVISRELATIFS À L'EXPOSITION RF
Cet équipement est conforme aux limites d'exposition au rayonnement ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.