

SONAB[®]

Sound & Society

ENG - INSTALLATION MANUAL - Wireless set-up

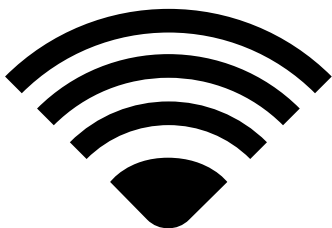
DE - BEDIENUNGSANLEITUNG - Drahtlose Einrichtung

FR - MANUEL D'UTILISATION - Installation sans fil

ES - MANUAL DEL PROPIETARIO - Configuración inalámbrica

SE - INSTALLATIONSMANUAL - Trådlös installation





CLOUD **9**

SONAB CLOUD 9
WIRELESS
INSTALLATION
MANUAL

ENGLISH
DEUTSCH
FRANÇAIS
ESPAÑOL
SVENSKA

ENGLISH / CONTENTS

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Note: Installations examples on last pages in manual

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GENERAL INSTALLATIONS NOTES

- Always try to have the CTX transmitter placed in the “middle” of the installation and at the same height as the CLS speakers are placed.
- If the source is placed far away from the CTX it is possible to use an active USB extender cable (normally available up to 20m) to achieve best possible placement of the CTX.
- The CVM should ideally also be placed in the same height as the CTX and CLS. The CVX volume control extender can be used to route the master volume control to a more convenient placement.
- The CGV, CLS and CSW in wired mode uses a balanced audio signal so a cable with 3 conductors (+,g,-)are necessary to make the installation.
- Be aware that it is only possible to go from a wireless speaker and then continue with wired installation. It is not possible to go from wired speaker and then make it wireless to the next speaker in line.
- In a wireless installation always make sure that the same Channel and ID Code are being used (only exception is if CEX is being used). Otherwise there will not be any connection established between the units.
- In wireless mode the CSW subwoofer can be put on a separate zone volume, making it is easy to match the subwoofer volume to the rest of the system.
- When using the CEX wireless extender make sure that CEX unit 1 is receiving same Channel as the CTX is transmitting. The CEX unit 2 must send out on a different channel than CEX unit 1 is receiving.
Example: CEX unit 1 is receiving Channel 1 from the CTX, the CEX unit 2 must send out on channel 2 or 3. The CLS and/or CSW that are receiving signal from CEX unit 2 must then also be set to channel 2. The ID Code should still be the same for the complete installation.

WIRELESS NETWORK OVERVIEW

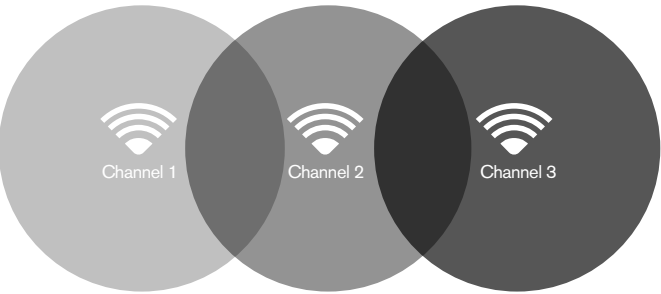
Features

- Full CD quality transmission
- No time delay
- RF band 2.4 GHz
- Sample rate 48 KHz
- Range 20–100 m
- Channel sniffing
- Frequency hopping
- 3 channels
- 6 volume zones
- 10 ID codes

For more technical specifications,
visit www.sonabaudio.com

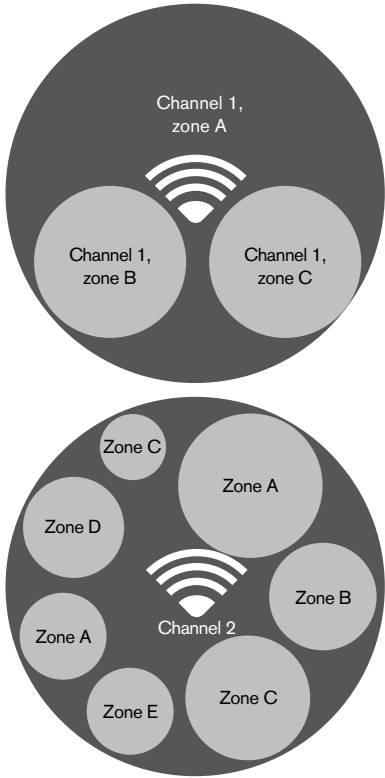
Channels 1-2-3

There are three different channels in the network. Three CTX transmitters can send from three different sound sources at the same time in same area.



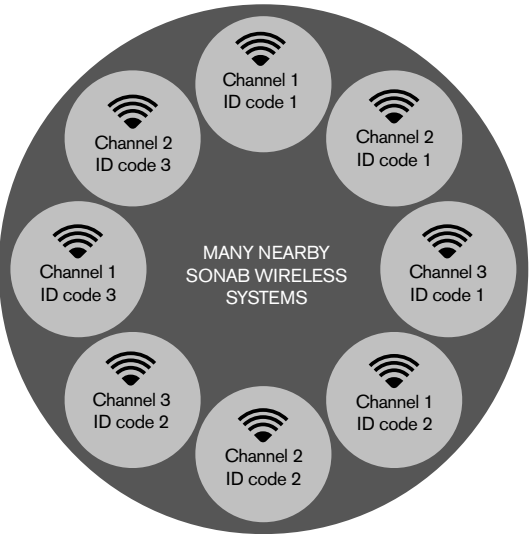
Volume Zones A-F

Each channel (1-2-3) can have up to 6 different volume zones (A-F). Individually set volume in each zone. Master volume controls all zones.



ID Codes 0-9

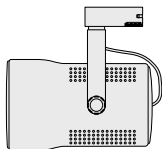
Each channel can be set to 10 different ID codes. This is a password solution so no audio signal will be heard in other nearby systems using same channel. *This is an option to use when changing CHANNEL (1-2-3) on nearby systems has been done first. Avoid using more than 2 ID Codes on nearby systems using same channel.*



Note:
Using same channel on nearby systems, with different ID codes, will effect network performance.

SONAB CLOUD 9 RANGE

This is an overall general description of the Sonab Cloud 9 music system. For product specifications of the Sonab products please see the specific user manual that comes with each of the products. Following products are available in the Sonab Cloud 9 series:



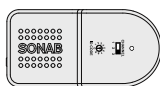
CLS, Loudspeaker

The CLS is equipped with the GLOBAL trac Multi adapter GA 69 which suits almost every 3-phase tracks on the market. The CLS is made for mounting direct into the tracks for optimum convenience. The CLS can receive it's audio signal either wirelessly from the CTX transmitter, or wired from a CGV or another CLS or CSW speaker.



CSW, Subwoofer

The CSW should be mounted on the wall with the included wall bracket. If possible on the same height as the CLS speakers. The CSW have both wireless and wired capabilities, so both installation options are available. For a convenient set up of the volume adjustment there is an IR remote included with the subwoofer.



CTX, Wireless transmitter

The CTX connects directly to the Mac or PC through the USB interface. All audio available on the computer (also streaming services like Spotify or Youtube) can be wireless transmitted. If there are no computer available as source the CTX has the option to also receive an analogue signal through the 3,5mm line input. The 3,5 mm line in can be connected to any analogue source.



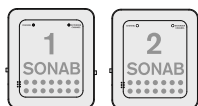
CVM Wireless volume control

The CVM must be used if the installation should be wireless or be a combination of wireless and wired. The CVM controls the master volume and the different zone volumes.



CVX, Master volume extender

The CVX, wired volume extender is available to extend the master volume from the CVM or CGV to a more convenient placement. Using the CVX also prevents unwanted tampering with the CVM or CGV, where also different zone volumes can be set (CVM), or switching of inputs (CGV).



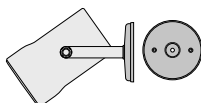
CEX, Wireless range extender

The CEX wireless extender is used to extend the wireless network, or to go around difficult wifi conditions.



CGV, Wired volume control

The Sonab CGV should be used if a **wired only** installation is intended. The CGV has inputs for 2 different analogue sources. The CGV unit also contains the master volume for the complete system.

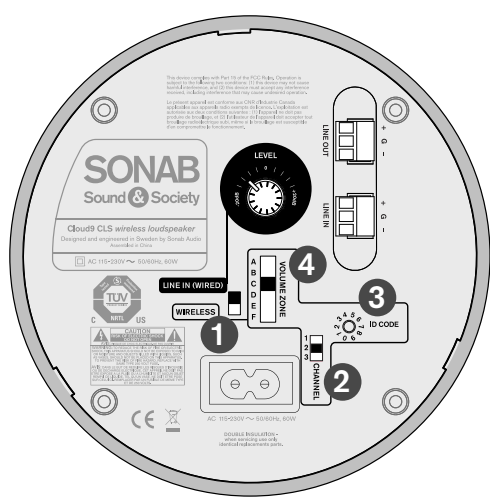


CLS optional wallbracket

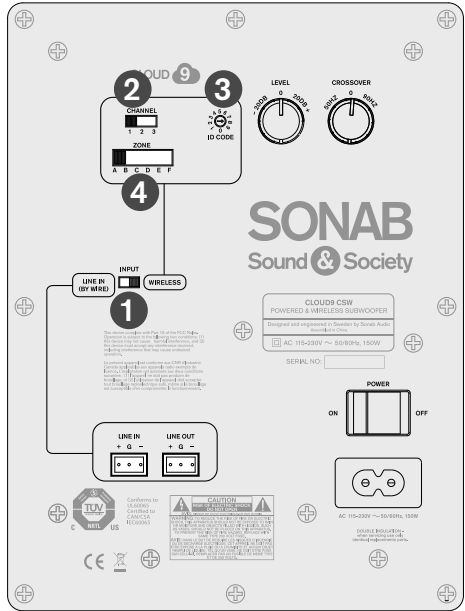
Optional wall bracket/table stand for CLS loudspeaker. Use if location do not have tracks for power. Comes with power cord to connect to AC outlet.

WIRELESS INSTALLATION

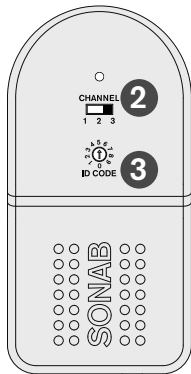
- 1 Set all speakers to WIRELESS input
- 2. Set all units to same wireless Channel; 1-2-3.
- 3. Set all units to same ID code; 0-9.
- 4. Set Volume Zone A to F on each speakers
(if desired, otherwise keep same Volume Zone on all speakers)



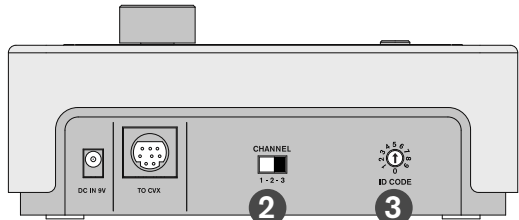
CLS



CSW



CTX



CVM

5. Place components

- Place CTX transmitter high, preferably on same height as CLS and CSW speakers
- Place CVM volume control high on same level as CTX.
- (CVX external master volume, which connects to CVM, can be placed anywhere)
- Secure CLS speakers in tracks (or on wall using wallbracket).
- Place CSW subwoofer on wall using wallbracket, preferably on same height as CTX trasnmitter

6. Connect CTX transmitter to a sound source

A. Computer

Mac setup

1. Insert CTX transmitter via USB extension cord to a free USB socket.
2. Go to System Preferences, choose Sound under Hardware.
3. Click Sound Output in menu, choose "SONAB".

PC setup

Please do following setup before using music playing software.

1. Insert CTX transmitter via USB extension cord to a free USB socket. Wait until software has been installed. (See lower right hand corner, message window will open when sound device is ready to use.)

For some PC computers you may need to perform these settings:

2. Click Start button, go to Control Panel and choose Sound & Sound devices.
3. Under playback of audio, default unit, choose "SONAB".

B. Connecting CTX transmitter to other soundsource

If CTX transmitter is connected to any other sound source than computer (such as CD-player, iPod/ iPhone/iPad dock, cellphone, Airport Express), it must be connected by cable to a line out/headphones out. CTX will need to be connected to supplied USB power supply.

7. Connect all components to power

8. Setting different volume in the volume zones

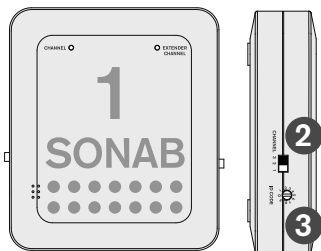
Use CVM volume control to set each volume zone individually. Push button to toggle between volume zone A to F, and back to Master volume. (Master volume effects all zones.)

10. Check wireless status

All components has a LED light to indicate wireless status.

BLUE light: wireless connection ok.

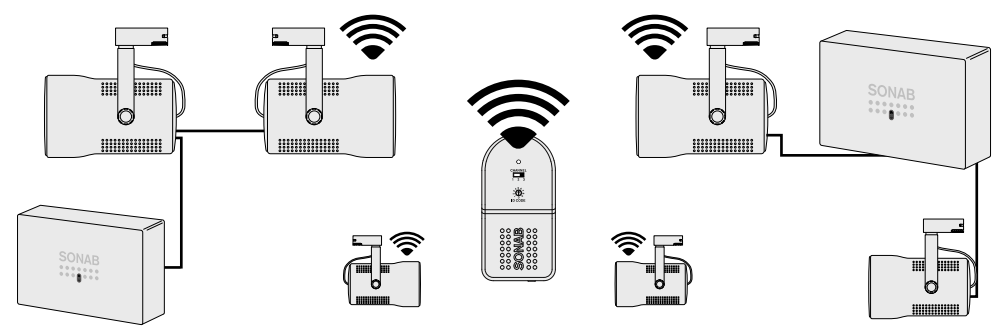
Red light: wireless connection fail (or standby).



Installing the CEX extender

Please read CEX specific manual in CEX carton.

WIRELESS + WIRED INSTALLATION



Combine wireless with wired transmission

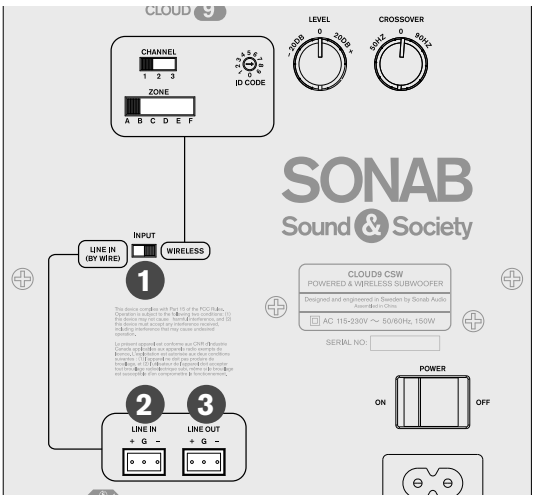
1. System must be wireless from source with CTX and to at least one speaker or subwoofer.
 2. Speaker receiving wireless signal has input set to WIRELESS.
 3. From speaker receiving wireless signal, connect balanced cable to LINE OUT.
 4. Set input to WIRED on speaker receiving signal by cable, and connect cable to LINE IN.
- Continue this set-up for all speakers using wired signal.

Note:

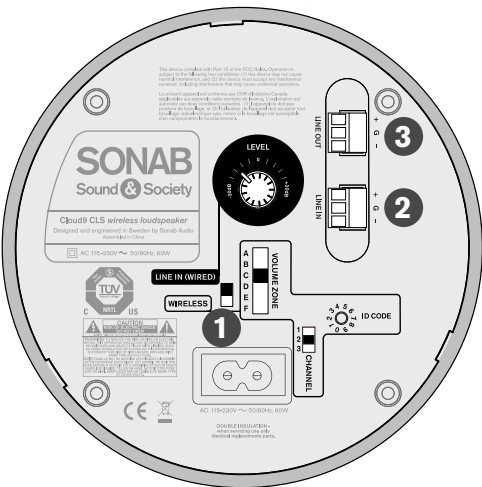
- Number of speakers added in a WIRED chain is infinite.
- Volume Zone and volume level set on the speaker receiving wireless signal will effect speakers connected by cable. Set speaker (receiving WIRED signal) volume control to 0 to have same level.
- When set to WIRED input, volume level on wired speaker can be adjusted -20 dB to +20 dB to fine tune volume levels on that specific speaker.
- The remote for CSW subwoofer will only function when CSW is set to WIRED mode.

1. Wireless/Wired input switch
2. Line in, + / Ground / -
3. Line out, + / Ground / -

Rear of CSW subwoofer



Rear of CLS loudspeaker



TROUBLESHOOTING

Are you using more than one CTX transmitter?

Make sure that the CTX's aren't running on the same Channel and ID Code. If more than one CTX uses the same Channel and ID Code, signal interference occurs. Disconnect one CTX, or change the Channel and ID Code.

Are you using the same Channel/ID Code on transmitter and speakers?

Make sure the same Channel/ID Code is set on all units in the system.

How far apart are the transmitter and receiver?

If distance between the transmitter and receiver is too far, the connection might be lost. Try placing the transmitter and receiver in closer proximity, does this help?

Are there walls between the transmitter and loudspeakers?

If your premises has thick concrete walls, or walls of plaster with wire lath, the wireless range will decrease. Try placing transmitter and speakers in the same room, does this help?
(If this helps, use CEX extender, or go by wire around walls and difficult wireless areas.)

Are there more wireless networks in the area?

If there are many wifi networks running in the area, wireless range can decrease. There are useful apps for iPhone/iPad/iPod touch and Android to detect local wifi networks, and see which channel might be crowded. You can also try to change the channel on your wireless router to improve SONAB network range and your own network wifi performance. (SONAB network transmits on channel 1, 6 or 11.)

Is the computer connected to the internet via cable or wifi?

The SONAB network can weaken a local wifi network (but not weaken itself).

If possible, you should change channel on your wireless router, the SONAB network transmits on channel 1, 6, or 11. Choose a new channel on your router, for example 3, 8 or 13. (in total there are 13 channels on the 2.4 GHz band.) There are useful apps for iPhone/iPad/iPod touch and Android to detect local wifi networks, and see which channel might be crowded.

If you cannot change the channel on your wireless router, try connecting computer via Ethernet cable instead. Does this help?

Are there Bluetooth units active in the area?

Shut down all active Bluetooth devices. Does this help?

Is the LED light on the transmitter blue?

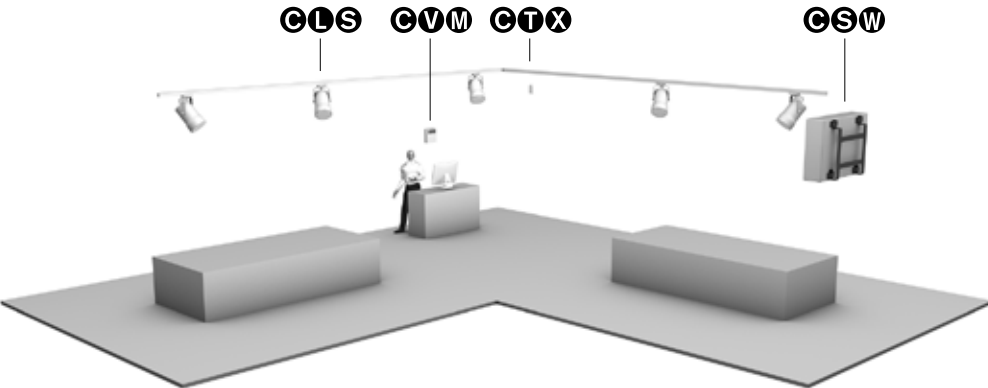
If the light is red, try moving the transmitter and receiving units closer together.
Does this turn the LED blue?

Windows 7 and Mac OS, sound output

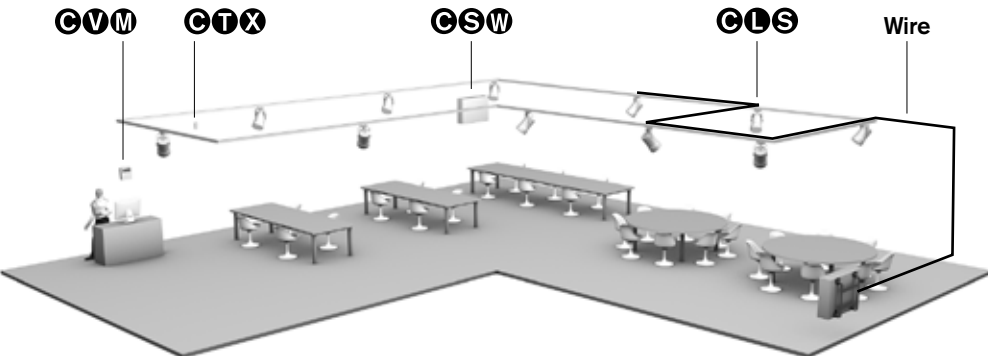
When connecting the CTX transmitter to a computer using Windows 7 or Mac OS, you need to select the sound output. Go to: system settings, find sound settings, and select SONAB as your sound output. (In older Windows OS there is no need for this, CTX will take over automatically as sound output device.)

EXAMPLES/BEISPIELE/EXEMPLES/EJEMPLOS/EXEMPEL

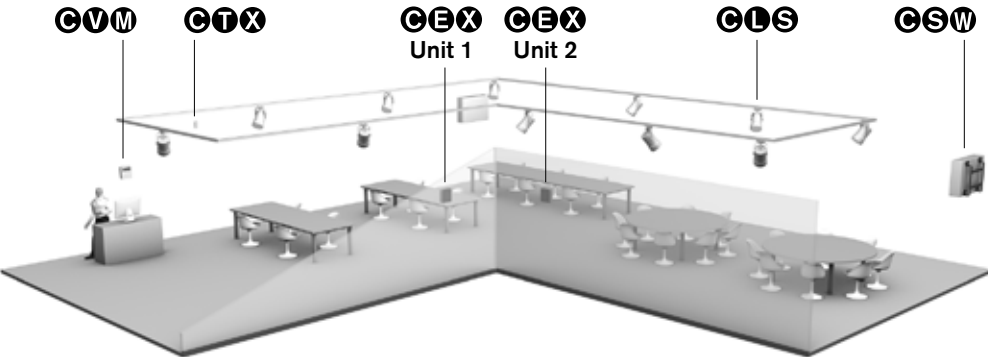
1. Basic setup



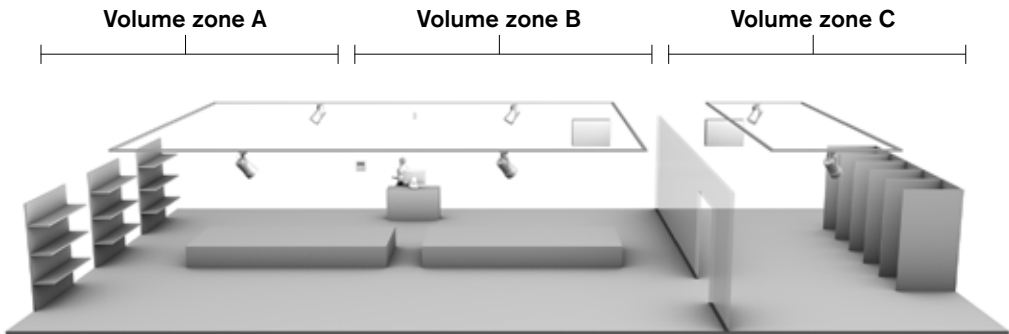
2. Mixed setup



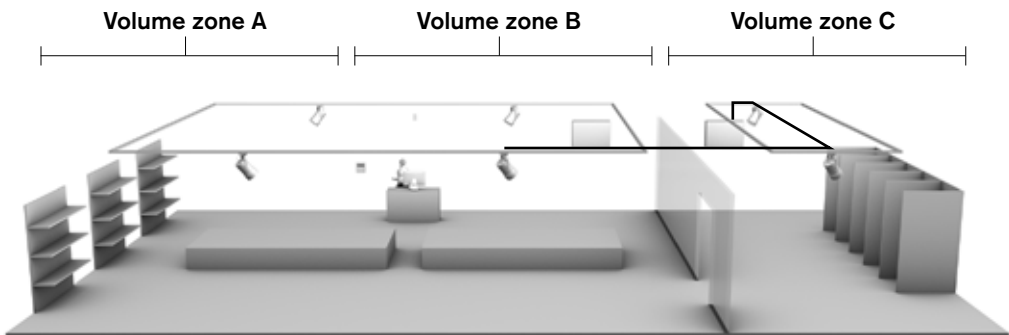
3. Extended setup



4. Volume zones



5. Mixed setup



6. Extended setup

