

WELCOME TO SUGARCUBE™



Thank You for purchasing the SugarCube SC-1

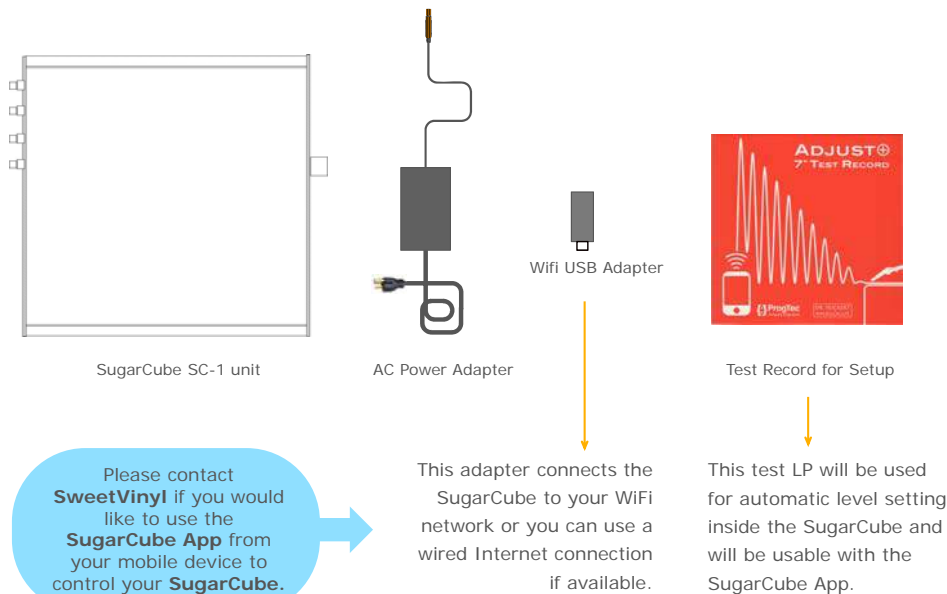
Your experience of high-end audio is about to get a lot sweeter

These pages provide an overview of the set-up and control of the SC-1

For any usage questions, please contact:
support@sweetvinyl.com



1. Unpacking Your SugarCube



2. The SC-1 Front Panel Controls



CLICK REMOVE

When pressed and the LED is lit, SugarCube is processing audio to remove clicks and pops. The **BYPASS** LED will go out.

BYPASS

When pressed and the LED is lit, an internal relay has shunted the **LINE IN** directly to **LINE OUT** completely bypassing all internal circuitry.

CLICK MON

When pressed and the LED is lit, the SugarCube suppresses the music so that you can better hear the clicks and pops. This helps set the **STRENGTH** level for particularly noisy LPs.

STRENGTH

Controls the strength of the click and pop detection and removal process. Almost all LPs will sound great at a setting of 5 or 6.

Note: we recommend that you do NOT adjust **STRENGTH** all the way to 10, you will rarely need this much. Sometimes less is more.

3. The SC-1 Back Panel



LINE INPUT

Accepts the output of your phono pre-amp. Please do NOT directly plug your turntable into this port unless it has a built-in phono pre-amp with a line-level output.

LINE OUTPUT

Outputs to your line stage (pre-amp). When the front panel **BYPASS** button is pressed, the audio from **LINE IN** passes directly to this **LINE OUT** through a mechanical audiophile-grade relay.

DC POWER IN

Connect the supplied adapter to this port.

POWER ON/OFF

Note: when power is off, an internal relay bypasses **LINE IN** to **LINE OUT**.

WIRED LAN

If an Ethernet LAN cable is available, connect to this port instead of plugging in the Wifi adapter.

PAIR BUTTON

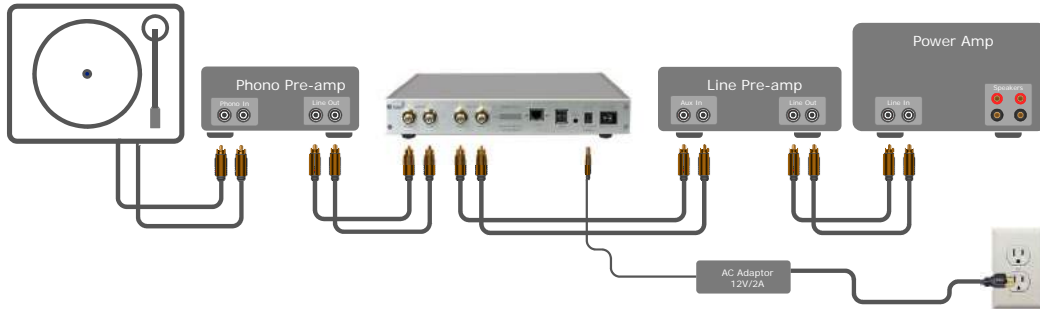
Used to link your mobile device or tablet with this SugarCube. Instructions found on following pages.

USB PORT FOR WIFI ADAPTER

Or, plug the supplied Wifi adapter into either USB port.

Do either of the above when controlling the SC-1 on the SugarCube iOS or Android app (or desktop).

4. Connecting Your SugarCube SC-1

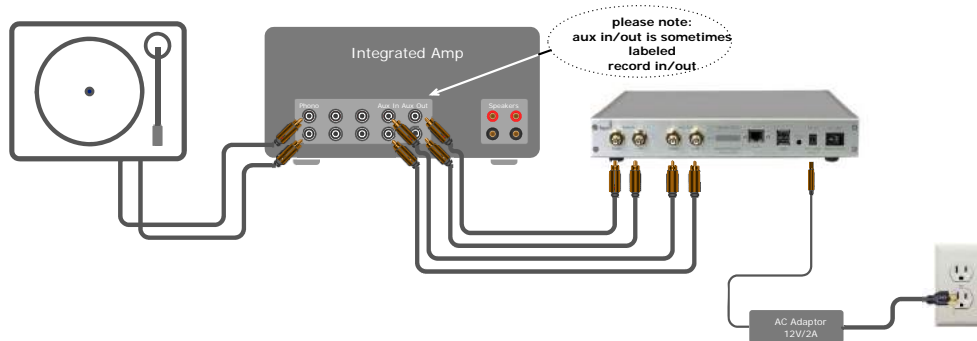


Connecting in series between a phono pre-amp and line stage (pre-amp).

- Plug your SugarCube power adapter into a power source.
- Connect the output of your phono pre-amp to the **LINE IN** of the SC-1.
- Connect the **LINE OUT** of the SC-1 to an appropriate line-level input of your line-stage/pre-amp.

NOTE: DO NOT CONNECT THE **LINE OUT** OF THE SC-1 TO THE **PHONO INPUT** ON YOUR EQUIPMENT.

5. Connecting Your SugarCube SC-1 Integrated Amp: using the "tape loop"



Connecting to an integrated amplifier via Aux In/Out (or Rec In/Out).

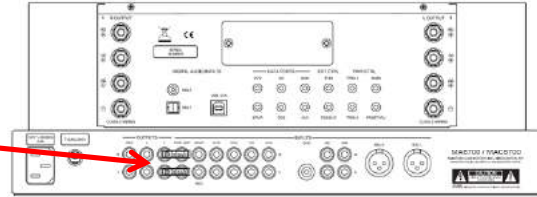
- Plug your SugarCube power adapter into a power source.
- Connect **AUX OUT** (or REC OUT) of your integrated amp (or processor) to the **LINE IN** of the SC-1.
- Connect **LINE OUT** of the SC-1 to **AUX IN** (or **REC IN**) of your integrated amp or processor.

NOTE: DO NOT CONNECT THE **LINE OUT** OF THE SC-1 TO THE **PHONO INPUT** ON YOUR EQUIPMENT.

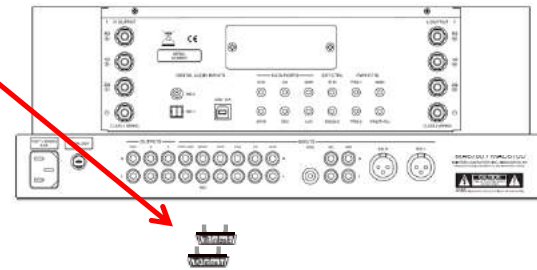
6a. Connecting Your SugarCube SC-1

Integrated Amp: connecting between the preamp and power amp

- Step 1: TURN OFF THE INTEGRATED AMP
- Step 2: Wait a minute or two
- Step 3: locate the preamp-poweramp jumpers
- Step 4: DOUBLE-CHECK THAT THE AMP IS OFF
- Step 5: Remove the jumpers

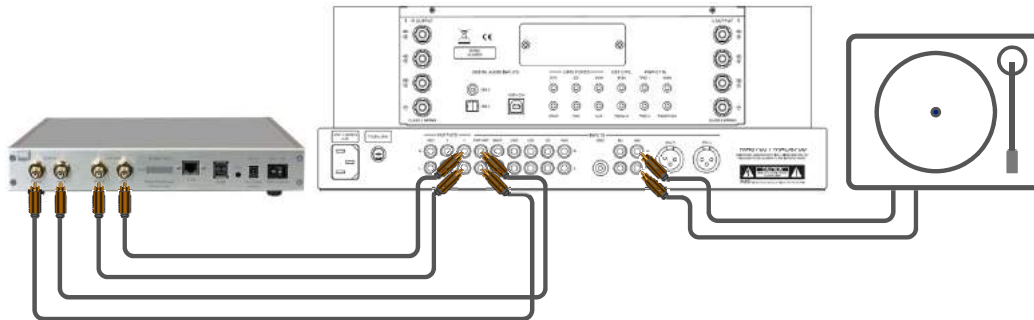


- Step 6: Put the jumpers away in a safe place
- Step 7: NEXT PAGE...



6b. Connecting Your SugarCube SC-1

Integrated Amp: connecting between the preamp and power amp, cont.



Connecting to an integrated amplifier between the pre-amp and power-amp.

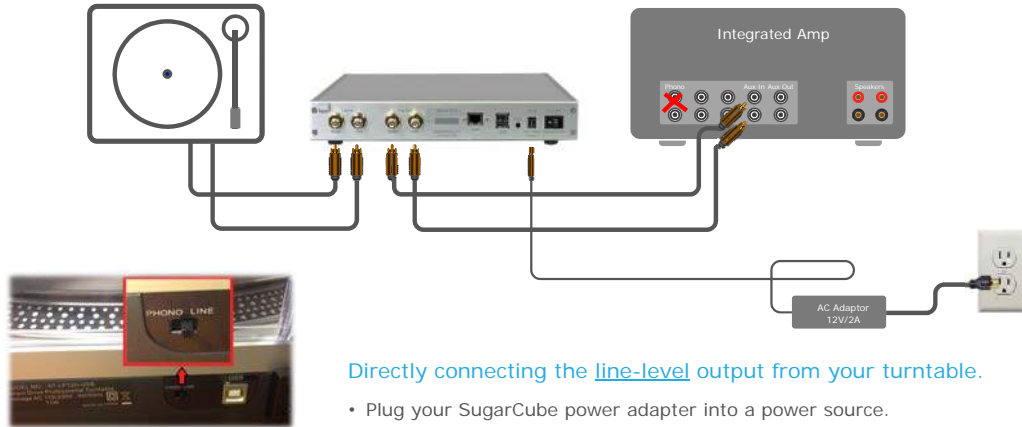
- Connect **OUTPUT** (this is the pre-amp) of your integrated amp to the **LINE IN** of the SC-1.
- Connect **LINE OUT** of the SC-1 to **PWR AMP** (power amp input) of your integrated amp.

NOTES:

1. ALWAYS TURN ON THE SUGARCUBE FIRST THEN THE AMP AND TURN OFF THE AMP FIRST THEN THE SUGARCUBE.
2. If the integrated amp has a headphone output, it will likely have its own amplifier and may not be in the loop with the SugarCube. If that is the case, you will not hear the SugarCube in the headphones.
3. The SugarCube draws only about 9 watts, you can leave it on full time if you wish.

7. Connecting Your SugarCube SC-1

Connecting turntables with built-in phono pre-amps



Directly connecting the line-level output from your turntable.

For turntables with a built-in phono pre-amp, be sure to set the **PHONO/LINE** switch to **LINE** before plugging into the SugarCube.

- Plug your SugarCube power adapter into a power source.
- Connect the turntable with a built-in phono pre-amp to **LINE IN**.
- Be sure the turntable is set to **LINE not PHONO**.
- Connect the **LINE OUT** of the SugarCube to any line-level input of your line stage, pre-amp, or integrated amp.

NOTE: SORRY TO BE A BROKEN RECORD ;) BUT DO **NOT** CONNECT THE **LINE OUT** OF THE SC-1 TO THE **PHONO INPUT** ON **YOUR** EQUIPMENT.

8. Connecting Your SugarCube SC-1 to a LAN or WiFi



If you would like to use the SugarCube app to control your SugarCube SC-1, please connect either the WiFi adapter supplied with your SugarCube OR plug into a wired connection. There is no need to connect both except when setting up WiFi (please read appendix A).

- When using the WiFi adapter, once the SugarCube is powered on and operational, use the SugarCube app to set-up the Wifi connection by following the instructions on the app (iOS and Android operate similarly.)
- When connecting via wired Ethernet, you need only launch the SugarCube app and it will locate and connect to your SugarCube when the device running the app is on the same network with the SugarCube.

NOTE: THE SUGARCUBE SC-1 IS FULLY FUNCTIONAL BY MEANS OF THE FRONT PANEL CONTROLS WITHOUT THE NEED TO CONNECT TO A NETWORK.

9. The Pair Button



In the course of setting up the connection between the SugarCube SC-1 and the SugarCube app, the app will prompt you to press and release the **PAIR** button, then enter the four-digit code on the SC-1 display.

This button is also used when setting up WiFi for the SugarCube SC-1 for use with the SugarCube app. When configuring WiFi, you will be instructed to press and **HOLD** the **PAIR** button for 5 SECONDS. The display of the SC-1 will announce that it is in WiFi setup mode, then continue setup on your mobile device, tablet, or desktop.

10. Next Steps



SugarCube Mobile App




SugarCube Setup LP (7*)

1. Mobile app and desktop control of SugarCube when connected to either WiFi or wired Ethernet.
2. Audio configuration setup instructions using the test LP supplied with your SugarCube. Please refer to the SugarCube Mobile App Guide.
3. For any questions or comments, please email us at: support@sweetvinyl.com

Controlling SugarCube via the a Web Browser


Appendix A

MacOS, Windows
Linux, IOS, or Android



A1. Controlling the SugarCube from a Web Browser

Finding the IP address of your SugarCube SC-1




2

Press and hold 'BYPASS' for 3 to 5 seconds
Your SugarCube will then enter a display
mode where it will show you its IP
address, among other information.

3

You will use an address
that looks like this
example. It usually will
start with 192 or with 10.



1

Plug in an Ethernet Cable
If you wish to use WIFI, before connecting
the unit to your sound system, take the
SugarCube to your router and plug in a
wired Ethernet cable then consult page A4.

A2. Controlling the SugarCube from a Web Browser

Entering the IP address with addition information into the browser

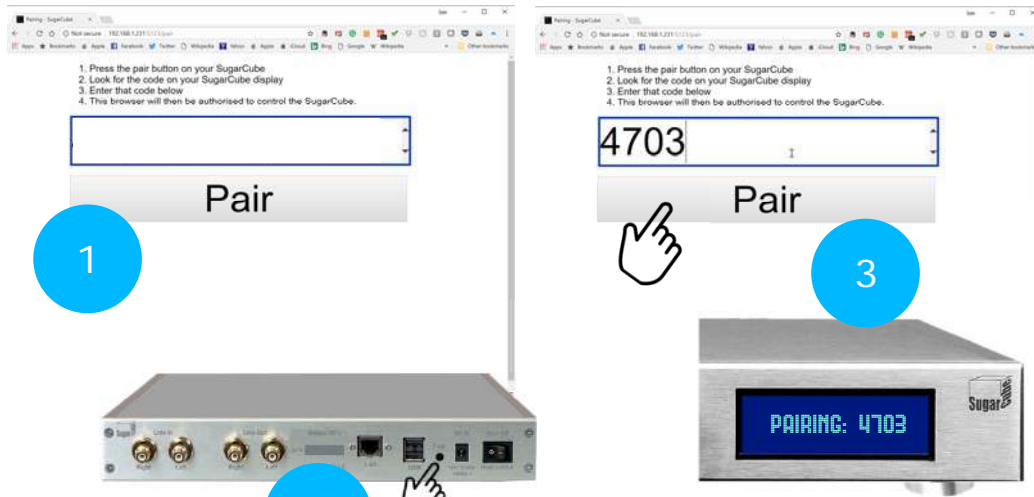


(1) Type the SugarCube's IP address into the **address bar** then add a colon ':', and '5123'.

(2) Press 'Enter' and the SugarCube webpage will appear in the browser.

A3. Controlling the SugarCube from a Web Browser

Pairing with the SugarCube



(1) You will see a screen appearing in your browser to accept a pairing code.

(2) Press and release the 'PAIR' button on the back panel.

(3) Enter the four digit pairing code displayed on the SC-1 display and click on 'Pair'.

A4. Controlling the SugarCube from a Web Browser

Setting up WiFi (in place of wired Ethernet), 1 of 3

SugarCube SC-1
#1062
My SugarCube

WiFi Setup

SSID	Signal	Channel	Security	Access Points
1qa2ws3ed	87%	6 40	WPA2	2
219Guest	20%	11	WPA1 WPA2	1
219SecureIoT	34%	6	WPA1 WPA2	1
219SecureWireless	30%	6	WPA1 WPA2	1
BlueCart WiFi	30%	6	WPA2	1
BlueCart WiFi - Guest	50%	6	WPA2	1
SmugMug	84%	40	WPA2	1
SmugMugs	84%	40	WPA2	1
sweetvinyl	100%	9 48	WPA2	4
Tap Guest	34%	11	WPA1 WPA2	1

(1) If wired Ethernet is not available in your sound room, then take the SugarCube to your router just for these WiFi setup steps.

(2) You need both Ethernet and the WiFi stick plugged into the SC-1.

(3) Find your WiFi name on the list of SSIDs.

A5. Controlling the SugarCube from a Web Browser

Setting up WiFi (in place of wired Ethernet), 2 of 3

State: normal
SSID: <Not Configured>
Info: disconnected
SSID: <your wifi>
Password: <password>
Connect

SSID	Signal	Channel	Security	Access Points
1qa2ws3ed	87%	6 40	WPA2	2
219Guest	20%	11	WPA1 WPA2	1
219SecureIoT	34%	6	WPA1 WPA2	1
219SecureWireless	30%	6	WPA1 WPA2	1
BlueCart WiFi	30%	6	WPA2	1
BlueCart WiFi - Guest	50%	6	WPA2	1
SmugMug	84%	40	WPA2	1
SmugMugs	84%	40	WPA2	1
sweetvinyl	100%	9 48	WPA2	4
Tap Guest	34%	11	WPA1 WPA2	1

Info disconnected
SSID: <your wifi>
Password: <password>
Connect

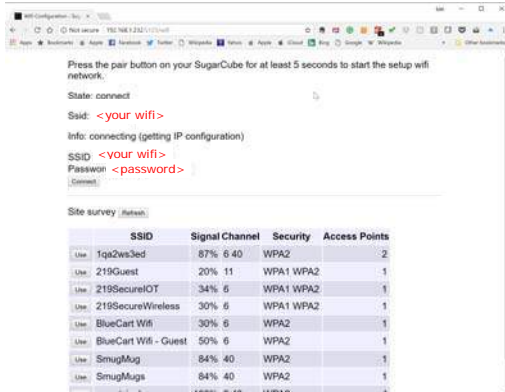
SSID	Signal	Channel	Security	Access
1qa2ws3ed	80%	6 40	WPA2	
219Guest	44%	11	WPA1 WPA2	
219SecureIoT	30%	6	WPA1 WPA2	
219SecureWireless	34%	6	WPA1 WPA2	
BlueCart Wifi	34%	6	WPA2	
SmugMug	87%	6 40	WPA2	

(4) Please select your network by clicking on the 'Use' button next to your SSID.

(5) Next, enter the password for your WiFi then click on 'Connect.'

A6. Controlling the SugarCube from a Web Browser

Setting up WiFi (in place of wired Ethernet), 3 of 3

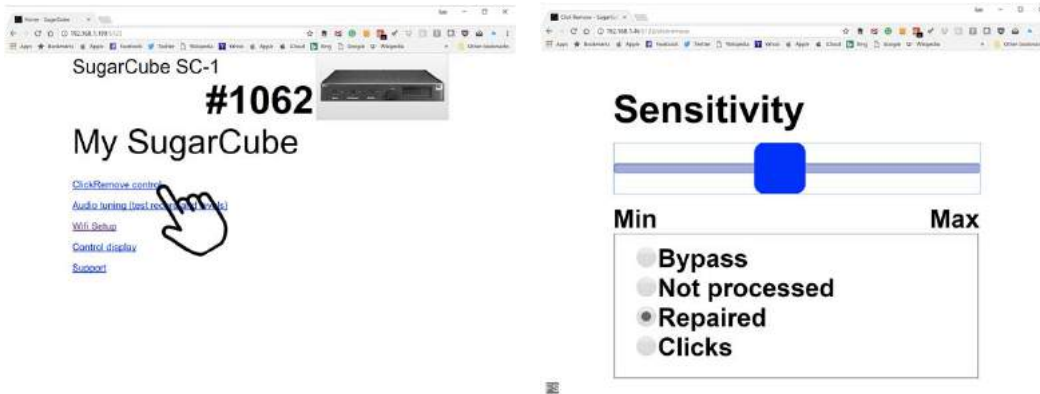


(7) If your SugarCube cannot connect to your WiFi, please contact support@sweetvinyll.com with the details of your system (WiFi make and model and the serial number of your SugarCube.)

(6) The system will indicate that it is connecting to your WiFi.

A7. Controlling the SugarCube from a Web Browser

Controlling the SugarCube

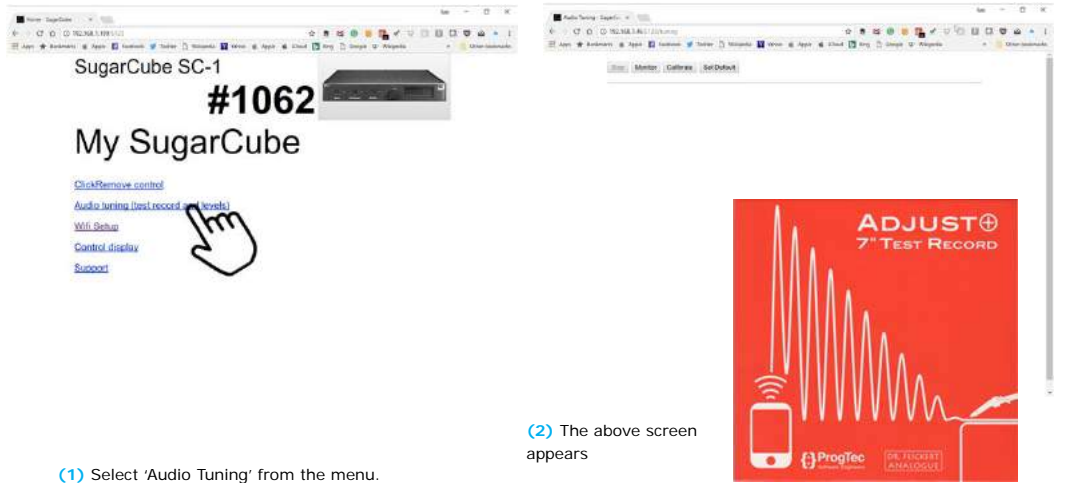


(1) Click on 'Click Remove Control.'

(2) Functions available mirror the front panel controls. A change here is reflected on the front panel and a change on the front panel changes the above.

A8. Controlling the SugarCube from a Web Browser

Audio setup with the test record (1 of 3)



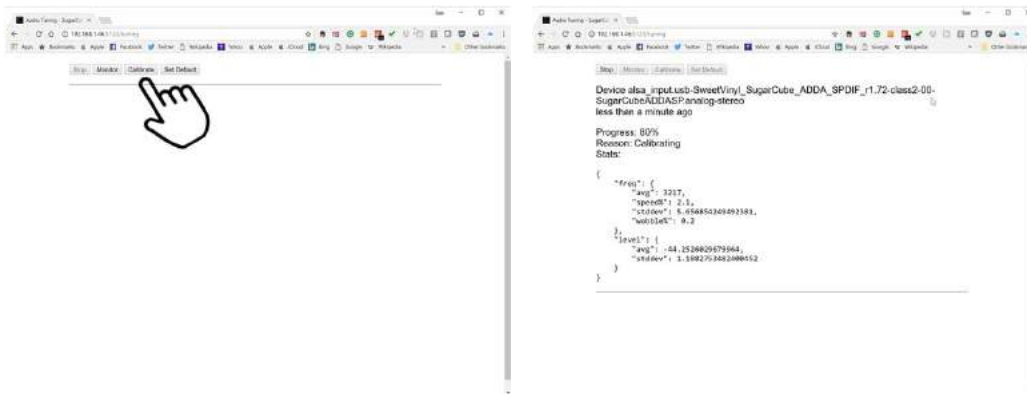
(1) Select 'Audio Tuning' from the menu.

(2) The above screen appears

(3) Play 'Side 1' of the test record that came with your SC-1.

A9. Controlling the SugarCube from a Web Browser

Audio setup with the test record (2 of 3)



(4) Keep the volume down (unless you like high pitch test tones). Now, select 'Calibrate'.

(5) A bunch of data will fill the screen until the process is complete which should take two to four minutes.

A10. Controlling the SugarCube from a Web Browser

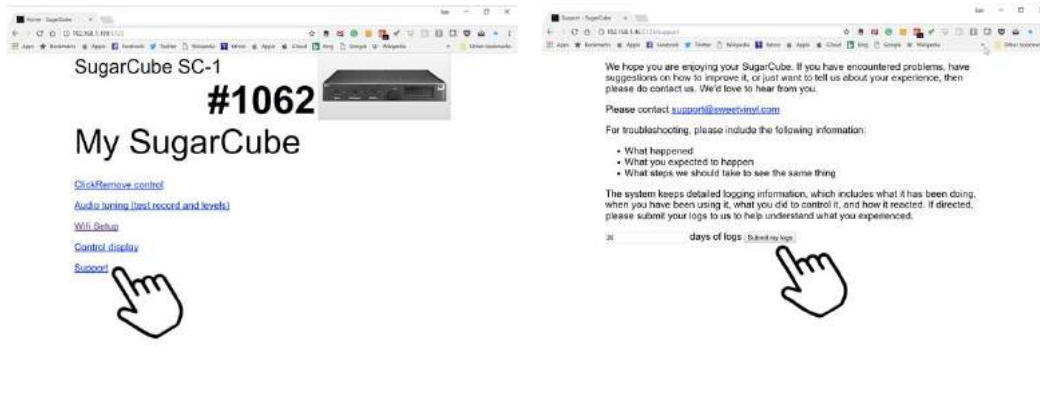
Audio setup with the test record (3 of 3)



(6) Calibration completed and, in this example, the SC-1 found it needed an adjustment from -9dB to -5dB. Please note, this step is for the proper operation of the click and pop removal and to prevent clipping.

A11. Controlling the SugarCube from a Web Browser

Sending SC-1 system data (logs) to 'Support'



(1) Click on 'Support' on the main menu

(2) Click on 'Submit my logs.'

Technical Specs

Appendix B



Technical Specifications

- Line In maximum level = +20 dBu (approx. 7.7Vrms or 22Vp-p)
- Line Out level = Line In level
- THD+N = 0.0045% (A-weighted)
- Frequency Response = 20Hz to 65kHz +/-0.1dB
- Frequency Response = 15Hz to 80Hz -3dB
- DC in = 12 volts, center-pin positive
- Average Power Dissipation = 9 watts

Support

Thank you for purchasing this SugarCube product.

Please contact customer support at: info@sweetvinyl.com

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Compliance

For the current EU Declaration of conformity, visit:
<http://support.sweetvinyl.com/regulatory>

For regulatory compliance information in North America, visit:
<http://support.sweetvinyl.com/regulatory>

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