

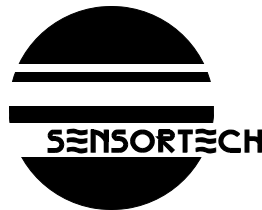
COLOR SWEEP ADVANCED SOFTWARE TOOL

SENSORA LIGHT MODULATION

USERS MANUAL

Revision 1.0
January 2012

SENORTECH INC.
605 Blvd Mont-Rolland
Ste-Adèle, QC
Canada J8B 1L8



Web: www.sensora.com
Email: info@sensora.com
Tel/Fax: +1-450-229-3992

CONTENTS

<u>1</u>	<u>OVERVIEW</u>	<u>1</u>
<u>2</u>	<u>GETTING STARTED</u>	<u>2</u>
2.1	SOFTWARE INSTALLATION	2
2.2	LOCATING YOUR MUSIC COLLECTION	4
2.3	CALIBRATING THE COLORS OF YOUR MONITOR AND LIGHT PROJECTOR	4
<u>3</u>	<u>MAKING A COLOR SWEEP SESSION</u>	<u>5</u>
<u>4</u>	<u>COLOR SWEEP OPTIONS</u>	<u>10</u>
4.1	SESSION SETTINGS	10
4.2	SOUNDTRACK SELECTION	11
4.2.1	SELECTING A PLAYLIST	11
4.2.2	COMPOSING NEW PLAYLISTS	13
4.2.3	ORGANIZING YOUR MUSIC COLLECTION	15
<u>5</u>	<u>COLOR CALIBRATION</u>	<u>16</u>
<u>ANNEX 1:</u>	<u>KEYBOARD SHORTCUTS</u>	<u>18</u>
<u>ANNEX 2:</u>	<u>SENSOR.A.INI FILE</u>	<u>19</u>





1 OVERVIEW

The Sensora® **Color Sweep Advanced Tool** is a software package enabling your Sensora light projector (such as the LPA-2 or LPA-3) to generate light sessions sweeping across the full color spectrum, which can be used as part of a Color Balancing protocol.

The program allows you to separately set the time proportion spent on each of 12 main colors through a simple control interface.

The Color Sweep tool is a perfect complement to any diagnostic technique which provides a reading of the color levels currently present (or conversely, currently lacking) in a subject's profile. Note that the program **does not provide such a color reading**, and is rather meant to be used after you have obtained the desired color profile through the method of your choice in order to convert it into a light treatment.

During a Color Sweep session, the Sensora light projector will perform a continuous sweep through the full color spectrum, spending on each color a specific amount of time determined by the color profile.

Once the color settings of the profile have been entered, Color Sweep can generate 2 types of light sessions:

- **Direct Session**, in which the time spent on each color is *proportional* to the color settings. This will be used when your color reading indicates the colors currently needed by the subject.
- **Balancing Session**, in which the time spent on each color is *inversely proportional* to the color settings. This will be used when your color reading shows the colors currently present in the subject's profile, to automatically balance it by providing a mirrored profile through the light projections.



Both types of light sessions are divided in 3 phases:

- An **upward color sweep**, moving through the color spectrum from magenta through red, yellow, green, blue,... up to purple, with time proportions set by the color profile.
- A short **Rainbow** cycling pattern, to harmonize the color balance of the session.
- A **downward color sweep**, moving back through the color spectrum from purple through blue, green, yellow, red,... down to magenta, with the same time proportions as the upward sweep.

The downward sweep is calibrated to last half as long as the upwards sweep. Therefore in typical 20 minutes long session the upward color sweep will last about 12 minutes, followed by a 2 minutes rainbow, ending with a 6 minutes downward color sweep.

The Color Sweep program automatically generates a matching sweep through brainwave entrainment frequencies embedded within the light projection. The sequence runs from mid-Beta (16Hz) down to low-Alpha (8Hz) during the upward color sweep, stabilizes to the Schuman resonance frequency (7.83Hz) during the rainbow phase, and returns from low-Alpha (8Hz) to low-Beta (14Hz) during the downward color sweep.

The program also automatically generates a matching sequence of Dynamic Sound Transduction patterns, to drive Sensora systems equipped with a Transducer Chair (such as the TC-2 or TC-3).

The Color Sweep tool includes the capability to precisely calibrate the 12 reference colors on both the PC LCD screen and the Sensora light projections. It also allows various operational options, such as setting the session duration (from 5 to 60 minutes) and the soundtrack music.

2 GETTING STARTED

2.1 SOFTWARE INSTALLATION

Sensora Color Sweep is compatible with Windows XP, Windows Vista and Windows 7.

To facilitate sharing common resources (such as music, Playlists and light patterns), all Sensora software share specific common directories for programs, data and music. The first time you install a Sensora program on your PC, the following default directories will be suggested:

Sensora Programs	in "Program Files\Sensora"
Sensora Data	in "My Documents\Sensora Data"
Sensora Music	in "My Documents\Sensora Music"

During installation you can accept these directories, or freely select new ones.

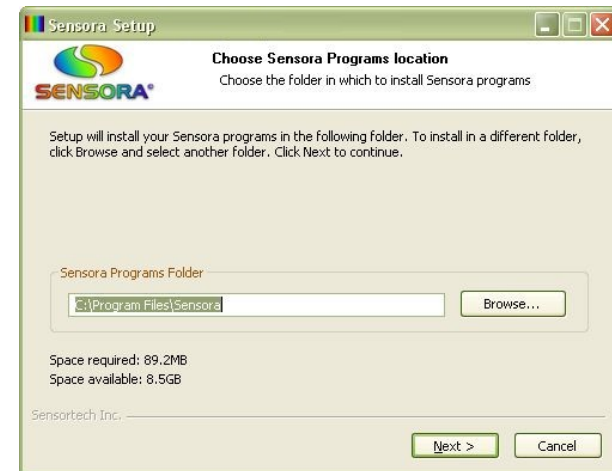
If you have previously installed other Sensora software on your PC, the existing Sensora directories will automatically be suggested during installation: to ensure harmonious operation of all Sensora programs these should be accepted.

The installation program will also automatically install the USB drivers needed to communicate with your Sensortech light projector (such as LPA-2 or LPA-3). and your Sensortech Transducer Chair (such as TC-2 or TC-3) if you have one.

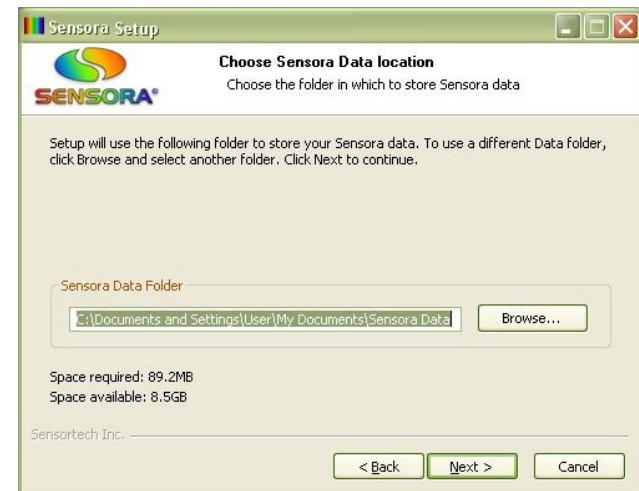
To install, follow these steps:

- Using Windows Explorer, locate your installation CD and double-click on the **"Install Sensora Color Sweep"** entry.

- Click "Next" to accept the default Sensora Programs directory, or "Browse" to select a new one, as shown below:



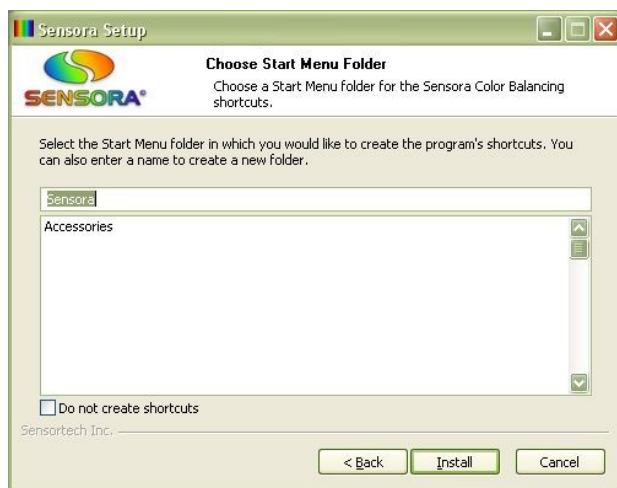
- Click "Next" to accept the default Sensora Data directory, or "Browse" to select a new one, as shown below:



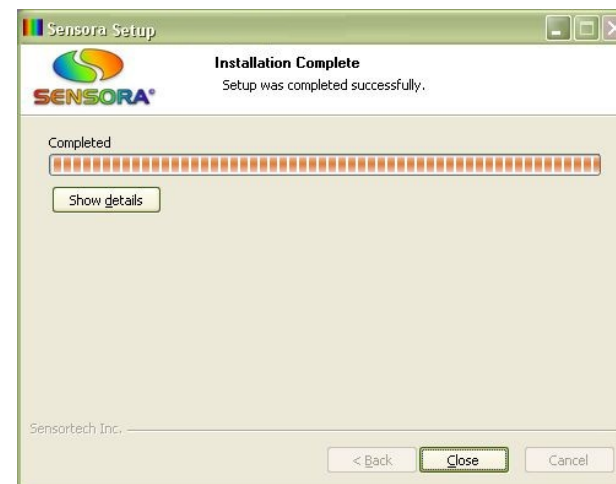
- Click “Next” to accept the default Sensora Music directory, or “Browse” to select a new one (see Section 2.2 below), as shown below:



- By default the installer will create Start Menu and Desktop shortcuts for the Sensora Color Sweep program and User's Manual, unless you tick the “Do not create shortcuts” checkbox as shown below. Click “Install” to proceed with installation:



- When completed, the following page will be displayed; click “Close” to exit.



2.2 LOCATING YOUR MUSIC COLLECTION

The Color Sweep software is capable of playing a soundtrack of your choice during the light sessions. The software comes with a **default soundtrack**, specially selected for this purpose. If you want to use this default selection, you do not need to install any other music tracks.

However if you would like to use your own music selection during Color Sweep light sessions, the software allows you to compose Playlists from your own music collection (see Section 4.2). You will first need to copy the music tracks to your PC (the software is compatible with “mp3” and “wav” audio formats), and then create your Playlists from these music tracks. During program installation, you have selected a “Sensora Music” directory where the program will look for your music collection. This is where you should copy any music track for use with Sensora software.

You can change the Sensora Music directory after program installation by editing the Sensora control file “Sensora.ini”:

1. Using Windows Explorer, locate the “Sensora.ini” file in the Sensora Data directory (normally “My Documents\Sensora Data”).
2. Open “Sensora.ini” with a text editor such as Notepad.
3. In the “[Directories]” section of the file, locate the line “dirAudio=...”
4. Type in the full path of the directory containing your music files, such as for example:

```
[Directories]
dirAudio=c:\My Documents\Sensora Music
```
5. Close the updated “Sensora.ini” file.

2.3 CALIBRATING THE COLORS OF YOUR MONITOR AND LIGHT PROJECTOR

For optimal performance, the colors presented to the user during the Color Sweep process must be reasonably well defined. The software allows you to precisely calibrate the 12 reference colors used by the Color Sweep.

The system comes with default color settings values already built-in, and can be used right away without further calibration. While these can be satisfactory, it is recommended to perform a calibration whenever you change your PC screen or your light projector. Refer to Section 5 for this procedure.

Note that color calibration profiles are shared with other Sensora programs, such as Sensora **Color Balancing Advanced Tool**. If you have already installed such a program, any calibration profile created by this program can be re-used with Color Sweep (and vice-versa).

3 MAKING A COLOR SWEEP SESSION

When you start the Color Sweep program, you are presented with the “Opening Screen” shown here.

Follow this simple 3-Steps procedure to make a Color Sweep session within a few minutes:

STEP 1:

Click the “*New Color Sweep*” button



A "Color Sweep Settings" display will now appear, showing a column of 12 main colors spanning the entire color spectrum:

STEP 2:
Click on any of the 12 available colors to select it, and use the Slider to adjust the color setting for the currently selected color.

Color Setting Slider adjusts color settings from 0% to 100%

Adjust the selected color's Setting

As you adjust the Slider, a color bar in the "Time Proportion" column will show the time proportion spent on the selected color during the Color Sweep session. To facilitate visualization of the session timings, Time Proportions are automatically normalized so that the longest color bar spans the full available display width.

Selected color setting is shown here. Settings default to 0% for the **Direct** session type, or 100% for the **Balancing** session type

Repeat Step 2 until you have adjusted all 12 colors according to your color reading, obtaining a display similar to this:

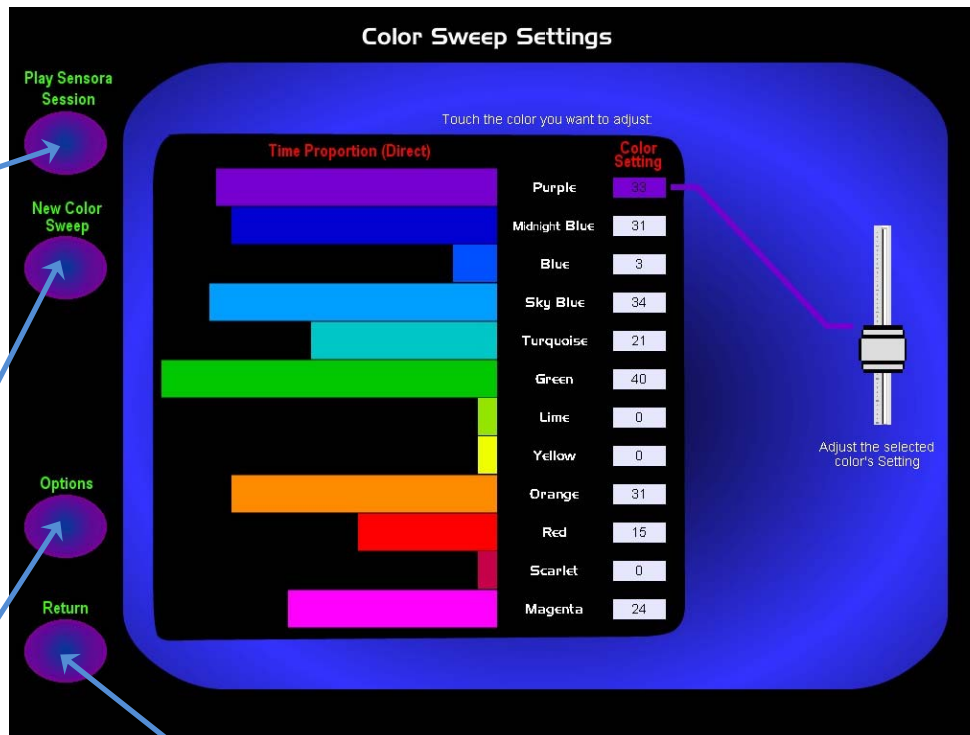
STEP 3:

Start your Sensora Color Sweep session by clicking the **"Play Sensora Session"** button.

The program will now start playing your Color Sweep session on the Sensora system connected to your PC.

If you want to start a new Color Sweep click on the **"New Color Sweep"** button. Color settings will be reset, and current settings will be lost.

Clicking on the **"Options"** button will allow you to select options for the Color Sweep session, including the session type (**Direct** or **Balancing**), its duration and the accompanying soundtrack (see Section 4).

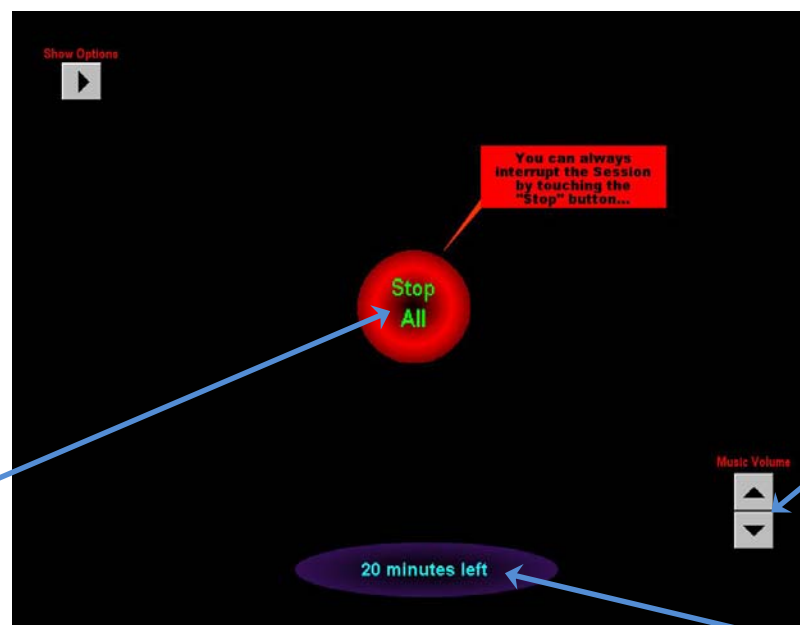


The **"Return"** button will bring back the Opening Screen. From there you can return to your current session by clicking the **"View Last Sweep"** button.

During the session, this “**Session Playback**” screen will appear:

- At this point, ***you only need to sit back and relax*** through your Color Sweep session. The controls available on this screen (as detailed below) are all optional, and you usually will not need to bother about them.
- The screen will automatically blank out after a few seconds, in order to minimize its light interfering with the ongoing Sensora session. ***To bring it back at any moment, just click anywhere on the screen.***

Clicking the “**Stop All**” button allows you to interrupt the ongoing Sensora session at any moment. The light projections and soundtrack will stop, and the “**Session Paused**” screen will appear (shown next page).



The “**Music Volume**” buttons let you adjust the soundtrack volume.

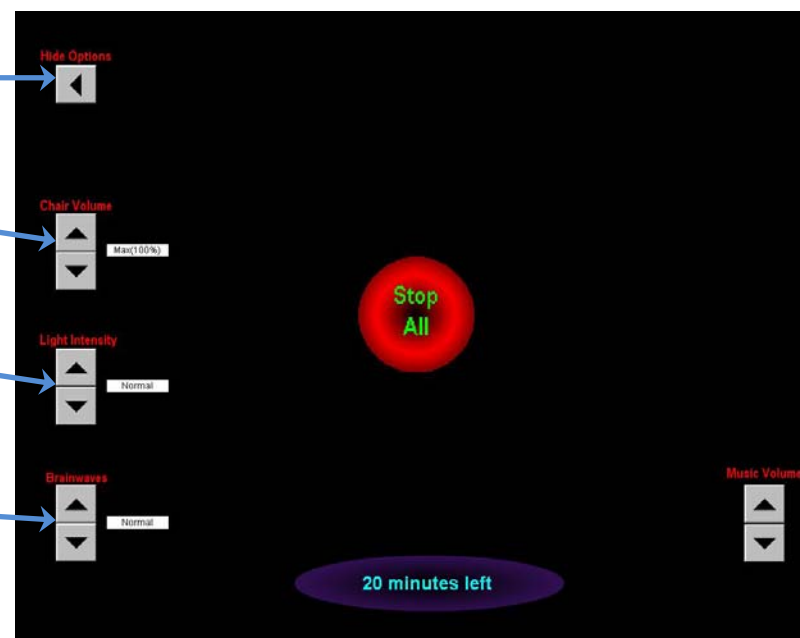
This counter shows how much time is left before session completion.

Clicking the “**Show Options**” button during session playback reveals 3 sets of optional controls.

The “**Chair Volume**” buttons adjust the intensity of the kinesthetic vibration in your Sensora Transducer Chair (if so equipped).

The “**Light Intensity**” buttons adjust the overall brightness of the Sensora light projections.

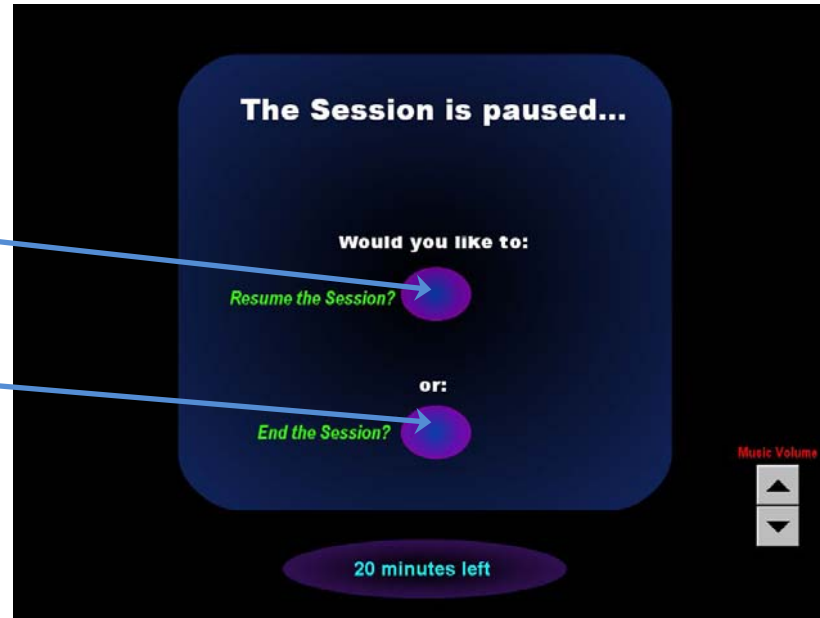
The “**Brainwaves**” buttons adjust the intensity of the brainwaves modulations embedded in the Sensora light projections (refer to your Sensortech light projector User's Manual).



If you have interrupted an ongoing Sensora session by clicking the **"Stop All"** button (in the center of the **"Session Playback"** screen), this **"Session Paused"** screen appears:

Clicking the **"Resume the Session"** button restarts the Sensora session at the point where it was interrupted.

Clicking the **"End the Session"** button aborts the Sensora session and directly brings you back to the **"Opening Screen"** shown below.



At the end of the Sensora session, the **"Opening Screen"** will automatically reappear:

At this point you are ready to start again the procedure for a new Color Sweep, by clicking the **"New Color Sweep"** button.

Settings from your last Color Sweep are not lost: clicking the **"View Last Sweep"** button brings you back to the "Color Sweep Settings" screen for this session.

NOTE: Results for the last Sweep are lost as soon as you start a new Color Sweep.

If you are finished, quit the program by clicking the **"Exit"** button. Results from the last Sweep will be lost.



4 COLOR SWEEP OPTIONS

4.1 SESSION SETTINGS

The Color Sweep options screens are accessed with the **"Options"** button, which is available on both the **"Opening Screen"** and the **"Color Sweep Settings"** screens. Clicking it brings you to the **"Session Settings"** screen shown below, where you can select a number of options concerning the playback of Color Sweep sessions:

- Clicking the **"Music"** selector will bring you to the **"Soundtrack Selection"** screen (shown in the next Section), allowing you to choose the soundtrack to be played during Color Sweep sessions.
- Click **"Settings"** to return to the **"Session Settings"** screen shown here.
- When done, click the **"Return"** button to return to the **"Color Sweep Settings"** screen. The options you have selected will now be effective for the next Color Sweep sessions.

"Session Duration" lets you adjust the length of the session, by stretching all color times while retaining their respective proportions.

"End of Session Pause" lets you select a pause in darkness after the session; this is often a precious moment, consciously savoring the space where the session has brought you.

This option selects whether the soundtrack will continue playing during the after-session pause in darkness.

The screenshot shows the **Session Settings** screen with the following elements and callouts:

- Session Duration:** A slider set to 20:00. Callout: "Session Duration" lets you adjust the length of the session, by stretching all color times while retaining their respective proportions.
- End-of-Session Pause:** A slider set to 30 Seconds. Callout: "End of Session Pause" lets you select a pause in darkness after the session; this is often a precious moment, consciously savoring the space where the session has brought you.
- Music Selection:** Two buttons: **in Silence** and **with Music**. Callout: This option selects whether the soundtrack will continue playing during the after-session pause in darkness.
- Session Type:** Two buttons: **Direct (Proportional)** and **Balancing (Opposite)**. Callout: This option lets you select the session type for the current Color Sweep session: "Direct" or "Balancing". Refer to Section 1 for details on each session type.
- Store Settings:** A button. Callout: You can turn the current options (including Music selection) into the default start-up values with the "Store Settings" button. Unless you store them, all options are lost when you quit the program, and default start-up values are reloaded next time you start.
- Color Sweep Sessions Management:**
 - Load Session:** A button. Callout: "Load Session" lets you recall a Color Sweep Session previously saved through the "Save Session" function. You will be prompted to select the Session filename. Settings from the current Session are lost when loading a Color Sweep Session.
 - Store Session:** A button. Callout: "Store Session" lets you save the current Color Sweep settings as a file on your PC. You will be prompted to select a directory and to type a name for the report. By default, Color Sweep Sessions are saved in the "Color Sweep" subdirectory of the Sensora data directory.
 - Session Date:** A text box showing 02/01/2012, 18:20. Callout: The date & time of the Session (taken from your computer's clock) will automatically be shown in the "Session Date" text box.
 - Session or User's Name:** A text box.
 - Session Notes:** A text area. Callout: You can write the User's Name and Session Notes in these text boxes; they will be saved together with the Color Sweep session.

4.2 SOUNDBRACK SELECTION

The “Soundtrack Selection” screen is accessed by clicking the “Options” button (available in the main Color Sweep screens), and then clicking the “Music” tab.

4.2.1 SELECTING A PLAYLIST

From the “Soundtrack Selection” screen, click the “Play” tab to bring up the “Playlist Library” screen shown below:

The screenshot shows the "Soundtrack Selection" interface. On the left is a sidebar with buttons: "Settings" (pink), "Music" (pink), "Play" (blue), "Compose" (teal), and "Return" (purple circle). The main area is titled "Soundtrack Selection" and contains a "Playlist Library" section with the instruction "Choose a session Playlist from the soundtrack Library". This section has two columns: "Playlist Category" and "Playlists Library". The "Playlist Category" column lists: Default Soundtrack, Classical, Electronic, Lateral Light, Meditative, uSpace, Others, and Core Sessions. The "Playlists Library" column shows "Color Test" (28:58) and "Sweep" (28:41). Below these is a "Playlist Soundtrack" section showing "Andy Sun - Balance & Relaxation" (28:41). At the bottom, there is a "Hear selected Playlist Track" button, a "Duration" display showing "28:41", a "Playlist Description" field with the text "Soft and soothing atmospheric music by Andy Sun, designed to induce deep relaxation.", and a "Store Playlist" button with the subtext "Store new Playlist in Soundtracks Library". To the right of the "Store Playlist" button is a "Music Volume" control with up and down arrow buttons.

STEP 1:
Select a **Playlist Category** with these arrow buttons

The first Playlist Category shown is “Default Soundtrack”.
Use it to select the default soundtrack provided with the Color Sweep program.

STEP 2:
Within the selected Playlist Category, select the **Playlist** you want to use for the Color Sweep soundtrack with these arrow buttons

More details on the “**Playlist Library**” screen:

Soundtrack Selection

Playlist Library
Choose a session Playlist from the soundtrack Library

Playlist Category	Playlists Library	
Default Soundtrack	Baroque Concertos (Handel, Boccherini, Bach)	21:17
Classical	Concert with Inessa Galante	19:48
Electronic	Faure - Requiem	22:53
Lateral Light	Lassus - Missa Entre Vous Filles	23:30
Meditative	Monteverdi - Madrigali from Libro VIII	20:53
uSpace	Mozart - Symphonies 6 & 10	24:10
Others	Mozart - Symphony 35 'Haffner'	21:40
Core Sessions	One Minute	3:03
	Palestrina - Missa Papae Marcelli	20:27
	Romantic Concertos (Mendelssohn, Kalliwoda, Chopin)	21:48
	Romantic Symphonies (Schubert, Mendelssohn)	22:42

Playlist Soundtrack

Cacelot - Inessa Galante - Ave Maria	* 5:56
Wind in the Trees - Ste-Adele, Canada - 1 min	1:01
Bach-Gounod - Inessa Galante - Ave Maria	* 2:42
Birds & Insects - Chitwan, Nepal - 1 min	* 1:01
Franck - Inessa Galante - Panis Angelicus	* 3:48
Wind in the Trees - Ste-Adele, Canada - 1 min	1:01
Mozart - Inessa Galante - The Magic Flute, Ach Ich Fuhs	* 3:34
Ocean (Long waves) - Goa, India - 1 min	1:01

Playlist Description

A concert by renowned soprano Inessa Galante, interspersed with natural sounds

Duration

19:40

Music Volume

Store Playlist Store new Playlist in Soundtracks Library

The “**Playlist Soundtrack**” panel shows you the tracks composing the selected Playlist

Playlist and track durations are shown in “minutes:seconds”

If a * is shown next to a track, it indicates that the track overlaps the following one, enabling a gapless crossfade between the two tracks.

To preview any track, select it with the arrow buttons and click the button with the “Play” icon.

You can always adjust the playback volume with the “**Music Volume**” buttons

The “**Playlist Description**” box displays a description for the selected Playlist, if one was entered when the Playlist was composed.

The “**Duration**” box shows the total duration of the Playlist.

- If the Playlist is **shorter** than the “Session Duration”, the remaining part will be in silence.
- If the Playlist is **longer** than the “Session Duration”, the soundtrack will automatically fade-out at session

4.2.2 COMPOSING NEW PLAYLISTS

From the “Soundtrack Selection” screen, click the “Compose” tab to bring up the “Compose a Playlist” screen shown below. To create or edit a Playlist, follow these Steps:

STEP 1:

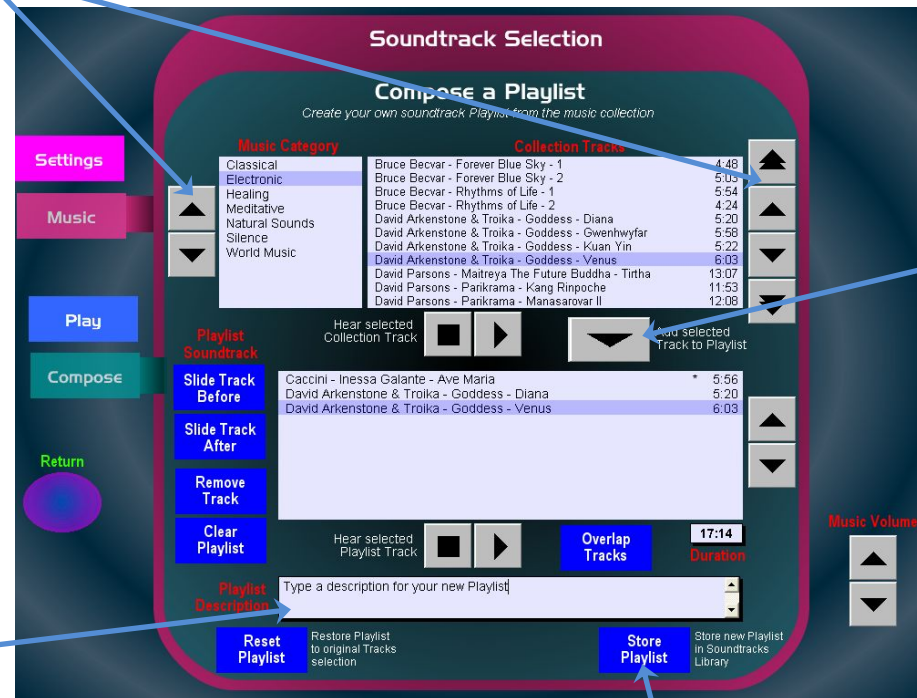
Select the “Music Category” and then the track you want to add from the available “Collection Tracks” with the arrow buttons.

STEP 3:

Repeat Steps 1-2 for all tracks you want to add to your new Playlist.

STEP 4:

If desired, type in a description of your new Playlist in the “Playlist Description” box.



STEP 2:

Click the “Add selected Track” button to add the track to your new Playlist.

STEP 5:

Finally, click “Store Playlist” to save the new Playlist in your Soundtracks collection. You will be prompted to select a subdirectory (which corresponds to the Soundtrack Category) and to type a name for the Playlist.

More details on the “Compose a Playlist” screen:

The screenshot shows the 'Soundtrack Selection' interface with a 'Compose a Playlist' panel. The panel includes a 'Music Category' list, a 'Collection Tracks' list, a 'Playlist Soundtrack' list, and various control buttons. Callout boxes provide detailed instructions for each major function.

Callout 1: Click the “Slide Track Before” or “Slide Track After” buttons to change the position of the currently selected track within the “Playlist Soundtrack” panel.

Callout 2: The “Remove Track” button lets you delete the currently selected track from the new Playlist.

Callout 3: Clicking the “Clear Playlist” button deletes all tracks from the Playlist. Use it to start a new Playlist from scratch...

Callout 4: The “Reset Playlist” button restores the Playlist to whatever Playlist is currently selected in the “Playlist Library” screen.

Callout 5: To preview any track from your collection, select it with the arrow buttons and click the button with the “Play” icon.

Callout 6: Use these arrow buttons to select a track within the “Playlist Soundtrack” panel.

Callout 7: The “Duration” box shows the total duration of the new Playlist in “minutes:seconds”

Callout 8: If you want to keep any modification you’ve made to your Playlist, don’t forget to save it with the “Store Playlist” button.

Callout 9: Click the “Overlap Tracks” button to toggle a gapless crossfade between the currently selected track and the next one. A * symbol will appear next to the track to indicate the Overlap option selection.

Callout 10: To preview the currently selected track from the new Playlist, click this button with the “Play” icon.

4.2.3 ORGANIZING YOUR MUSIC COLLECTION

Managing your Music Collection:

- Before you can create Playlists, you need to have a collection of music tracks from which to select. This is done by copying music tracks (in “mp3” or “wav” format) on your PC’s hard disk in the “Sensora Music” directory selected at program installation. As explained in Section 0, you can also edit the “dirAudio” entry of the “Sensora.ini” configuration file to change this Sensora Music directory.
- To facilitate selecting your music tracks, it is recommended to subdivide your music collection in Music Categories. This is done by simply distributing your music tracks in subdirectories within your Sensora Music directory. You can freely create or rename as many music subdirectories as you wish, using a tool such as Windows Explorer. The Color Sweep program will automatically identify these subdirectories and show them as “Music Categories” in the “**Compose a Playlist**” screen, as illustrated in Section 4.2.2.
- The Color Sweep program sorts and lists your music tracks according to their *file name*, and ignores any tag information which may be contained in “mp3” files. In order to identify them clearly, you can give your music tracks meaningful names including the artist, album and track names.

Managing your Playlists Collection:

- Once you have a music collection, you can create Playlists to be used as Color Sweep soundtracks, as detailed in Section 4.2.2. These Playlists are stored in the “Soundtracks” subdirectory of the “Sensora Data” directory selected at program installation.
- To facilitate selecting your Playlists, it is recommended to subdivide them into Playlist Categories. This is done by simply distributing them in subdirectories within the “Soundtracks” directory. You can freely create or rename as many Playlist subdirectories as you wish, using a tool such as Windows Explorer. The Color Sweep program will automatically identify these subdirectories and show them as “Playlist

Categories” in the “**Playlist Library**” screen, as illustrated in Section 4.2.1.

- If you save a Playlist in the “Soundtracks” directory itself, rather than assigning it to one of its subdirectories, it will appear in the Playlist Category named “Others”.
- Note that the “Playlist Categories” are independent from the “Music Categories” of your music collection: they may or may not match, depending on how you choose to organize the subdirectories of both you Sensora Music directory (containing you music tracks) and the Soundtracks directory (containing your Playlists). The Color Sweep program provides a few initial Soundtracks subdirectories, which you can freely delete or rename using Windows Explorer.

5 COLOR CALIBRATION

For optimal performance, the colors presented to the user during the Color Sweep process must be reasonably well defined. The Color Calibration procedure allows you to precisely calibrate the 12 colors used by the Color Sweep.

Because it is only rarely needed, and to minimize the risk of inexperienced users inadvertently disturbing the calibration, the **“Color Calibration”** screen **can only be accessed by pressing the keyboard shortcut “Ctrl-S”**.

Calibration involves adjusting the colors of both the PC monitor and the colors that will be projected by the Sensora system during the resulting Color Sweep session.

As illustrated in the next page, the calibration procedure consists of these steps:

1. Click on the icon of the first Basic Color to select it. The current RGB and Projector Code values for this color are displayed.
2. Adjust the Red, Green and Blue values to obtain the desired hue for the selected Basic Color, as displayed on your PC monitor.
3. If your Sensora Light Projector is turned On and connected to the PC, it will automatically project the selected Basic Color. Use the “Projector Code” buttons to adjust the projected hue until it matches as best as possible the desired Basic Color.
4. Repeat Steps 1-3 for each of the 12 Basic Colors used by the Color Test. *The goal of the calibration is to obtain 12 colors perceptually equidistant from each other along the rainbow spectrum, anchored around the primary Red, Green and Blue hues.*
5. In order to facilitate the procedure, you may want to load a standard calibration profile (using the **“Load Calibration”** button) as a starting point for your calibration.
6. If you want to experiment with various calibration profiles, you can use the **“Store Calibration”** button to save different versions of your calibration settings.

Once you are satisfied with the calibration settings, you can make them permanent by clicking the **“Store Settings”** button.

NOTES:

- While your current calibration settings will remain in use for the next Color Sweep sessions, they will be lost when you exit the program, unless you save them with the **“Store Settings”** button.
- Together with the color calibration profile, this button also saves the current options selected in the **“Session Settings”** screen, as well as the currently selected Soundtrack, as default start-up values.

More details on the “Color Calibration” screen:

The screenshot shows the "Color Calibration" interface. On the left, a vertical list of 12 reference colors (Purple, Midnight Blue, Blue, Sky Blue, Turquoise, Green, Lime, Yellow, Orange, Red, Scarlet, Magenta) is displayed. A callout box points to this list: "Click on any of the 12 Reference Color icons to select it." To the right of the list is a "Return" button. A callout box points to it: "When done, click the 'Return' button to return to the 'Opening Screen'".

On the right side of the screen, there are several adjustment sections:

- Color Settings:** This section allows adjusting the primary color components (Red, Green, Blue) of the selected color. Each component has a numeric input field and up/down arrows. A callout box explains: "Adjust the RGB (Red-Green-Blue) values for the selected Basic Color as displayed on the PC monitor. The resultant hue will be shown in the selected color's icon."
 - Red: 255
 - Green: 0
 - Blue: 255
- Projector Color:** This section allows adjusting the matching color code for the Light Projector. It has a numeric input field and up/down arrows. A callout box explains: "Use the 'Projector Color' buttons to adjust the hue projected by the Sensora light projector for the selected Basic Color. The Sensora projector will automatically display the resultant hue if connected to the PC." The current value is 110.
- Calibration Databank:** This section contains two buttons:
 - Load Calibration:** "Load an existing Color Calibration". A callout box explains: "'Load Calibration' lets you read a calibration file previously stored with the 'Store Calibration' function. You will be prompted to calibration filename. Standard calibration files are provided for the various Sensortech light projectors, to be used as starting points for your own calibration."
 - Store Calibration:** "Store the current Color Calibration for future use".
- Start-Up Settings:** This section contains one button:
 - Store Settings:** "Store the current Settings, Soundtrack & Color Calibration as start-up values". A callout box explains: "'Store Calibration' lets you lets you save the current calibration settings as a file on your PC. You will be prompted to select a directory and to type a name for the calibration file.. By default, calibration files are saved in the 'Color Test\Calibration\' subdirectory of the Sensora data directory."

A final callout box at the bottom explains the "Store Settings" button: "Once you are satisfied with the color calibration settings for your system, click the 'Store Settings' button to save the current color calibration (and other Session settings) as default start-up to be used from now on".

ANNEX 1: KEYBOARD SHORTCUTS

The Color Sweep program is designed to be used by clients that do not need to access settings reserved to the Sensora operator. These settings are therefore hidden from unintended selection by restricting their access through the use of dedicated keyboard shortcuts.

The following table lists all the available keyboard shortcuts:

CONTROL KEY	FUNCTION	DESCRIPTION
Control-A	Cursor A rrow	Toggles the cursor arrow On/Off; it is useful to hide the cursor arrow for a Touch Screen interface
Control-B	B lank Screen	Resets the Sensora Screen projection to black
Control-D	D elete Button	Hides/Shows “Delete Playlist” button on the “Compose a Playlist” screen, allowing the deletion of Playlists from your collection
Control-L	Rebuild Music L ibrary	Triggers a rebuild of the Music Library lists; useful if you modify your music tracks while the Color Sweep program is running.
Control-M	M IDI Ports	Opens the menu page to select the MIDI ports connected to the Sensora system <i>(only available on MIDI-controlled systems)</i>
Control-Q	Q uit Program	Exits from the program
Control-S	S etup Color Calibration	Opens the menu page to calibrate the colors used in the Color Sweep <i>(see Section 5)</i>
Control-U	Scan U SB	Triggers scan of USB ports to detect any Sensortech instrument connected after the Color Sweep program was launched.
Control-W	W indow Mode	Toggles between “Full Screen” and “Windowed” display modes

Table 1 – Keyboard Shortcuts

ANNEX 2: SENSORA.INI FILE

The “Sensora.ini” file found in the “Sensora data” directory contains a number of configuration options for the Color Sweep program (as well as options for all other Sensora programs in your system). Advanced operators can edit this file using a text editor such as Notepad.

NOTE: Be careful to preserve the exact formatting of the Sensora.ini file if you edit it, otherwise the program operation may be compromised. In case of problem, you can find an intact default copy of the file in the Sensora data directory, named “Sensora.ini.def”: copy and rename the file to “Sensora.ini” to restore it.

The entries in the “Sensora.ini” file are organized in sections, defined by section headers in brackets such as:

[Options]

The following table lists the entries related to the Color Sweep program:

SECTION	ENTRY	RANGE	DESCRIPTION
[Directories]	dirAudio	Absolute path, or relative path (% or @)	Specifies the file directory where your music tracks are stored. You can either provide a full path (such as “C:\Music”), a path relative to the “Sensora Data” directory by using the % prefix (such as “%\Music”), or a path relative to the “Sensora Programs” directory by using the @ prefix (such as “@\Music”).
[Configuration]	musicVolume	0-255	Start-up Music Volume
	chairVolume	0-100	Start-up Transducer Chair volume (only applicable to systems equipped with a Sensortech Transducer Chair, such as the TC-2)
	deviceType	SD-1, SD-2, LPA-2, LPA-3	Default device type selected if no Sensortech device is found connected to the system. (should match with your installed Sensora light projector)
[Options]	fullScreen	0 = Window 1 = Full Screen	Start-up setting for the program Display Mode. NOTE: Setting can be toggled while program is running with keyboard shortcut Ctrl-W
	slowPC	0 = Normal 1 = Slow PC	Set to 1 to optimize for slow PC (remove screen dissolves,...)
	powerDownLCD	0 = No 1 = Yes	Select 1 to is automatically power down the LCD monitor during Sensora Sessions (reduces stray lighting), 0 to disable power-down.
	hideCursor	0 = Show 1 = Hide	Start-up setting for presence of cursor arrow: set to 1 for Touch-Screen system. NOTE: Setting can be toggled while program is running with keyboard shortcut Ctrl-A
	hideDelete	0 = Show 1 = Hide	Start-up setting for presence of “Delete Playlist” button in “Compose a Playlist” screen. NOTE: Setting can be toggled while program is running with keyboard shortcut Ctrl-D
	hideChairPosition	0 = Show 1 = Hide	Selects presence of “Chair Position” control buttons on display screens. (only applicable to systems equipped with a Sensortech Transducer Chair, such as the TC-2)
	hideRoomLights	0 = Show 1 = Hide	Selects presence of “Room Lights” control buttons on display screens. (only applicable to full Sensora systems equipped with LPA-2 or SD-2 controllers)

Table 2 – “Sensora.ini” Configuration Entries for Sensora Color Sweep program

