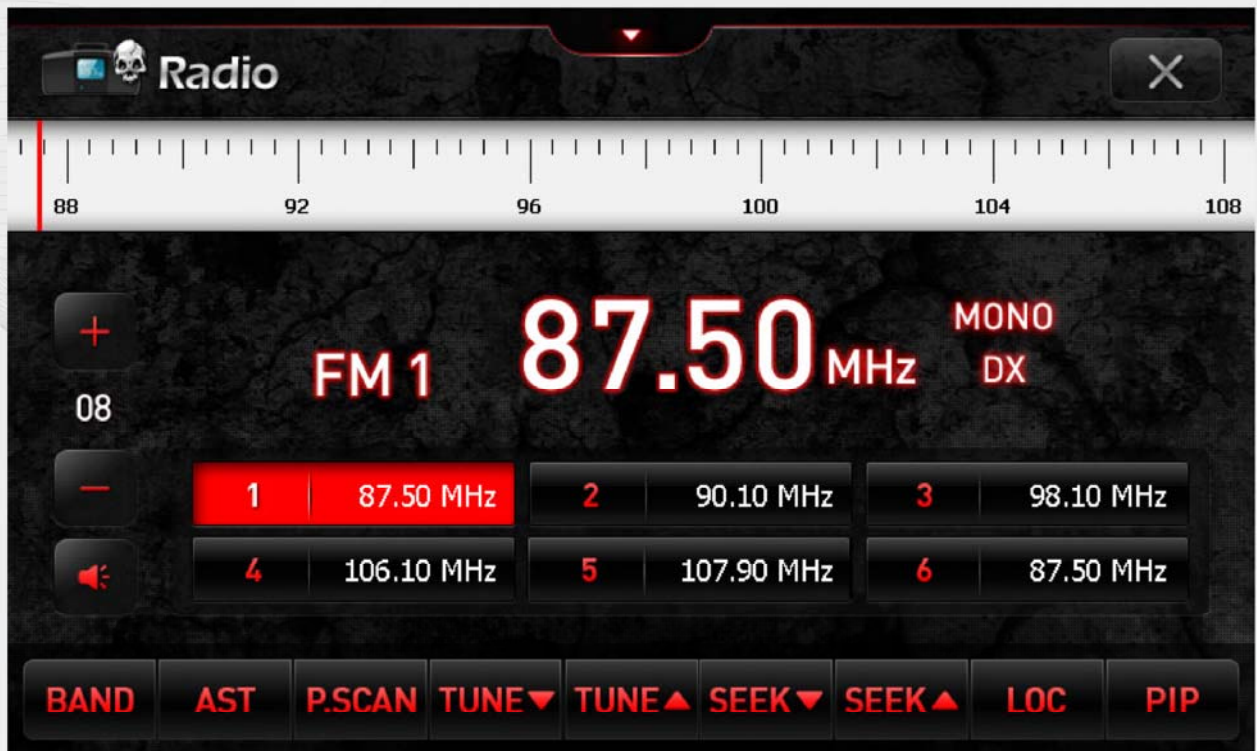


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AM/FM Tuner



BAND: Band button will toggle between FM1, FM2, FM3, AM1, and AM2. Each band will allow the user to store 6 preset radio station for quick access. This is useful for areas where 6 presets are not enough. It is also useful for drivers that drive to different areas and can benefit from setting bands for different cities.

AST: this is an auto tuning option. Pressing this button will scan radio stations and set the current band's 6 presets based on the stations with the strongest signal.

P.SCAN: the P.scan button will scan through your preset stations playing a short amount of content before changing to the next. Pressing the button again will stop the scan on the station currently playing.

Tune up or down: these buttons will tune stations one increment at a time.

Seek up or down: these buttons will seek through stations playing only the stations that tune in clearly.

LOC: this will change tuning types from local to distance. This may help tune the radio station better.

How to set a station to preset.

Setting a selected station to a preset is simple. See the steps below.

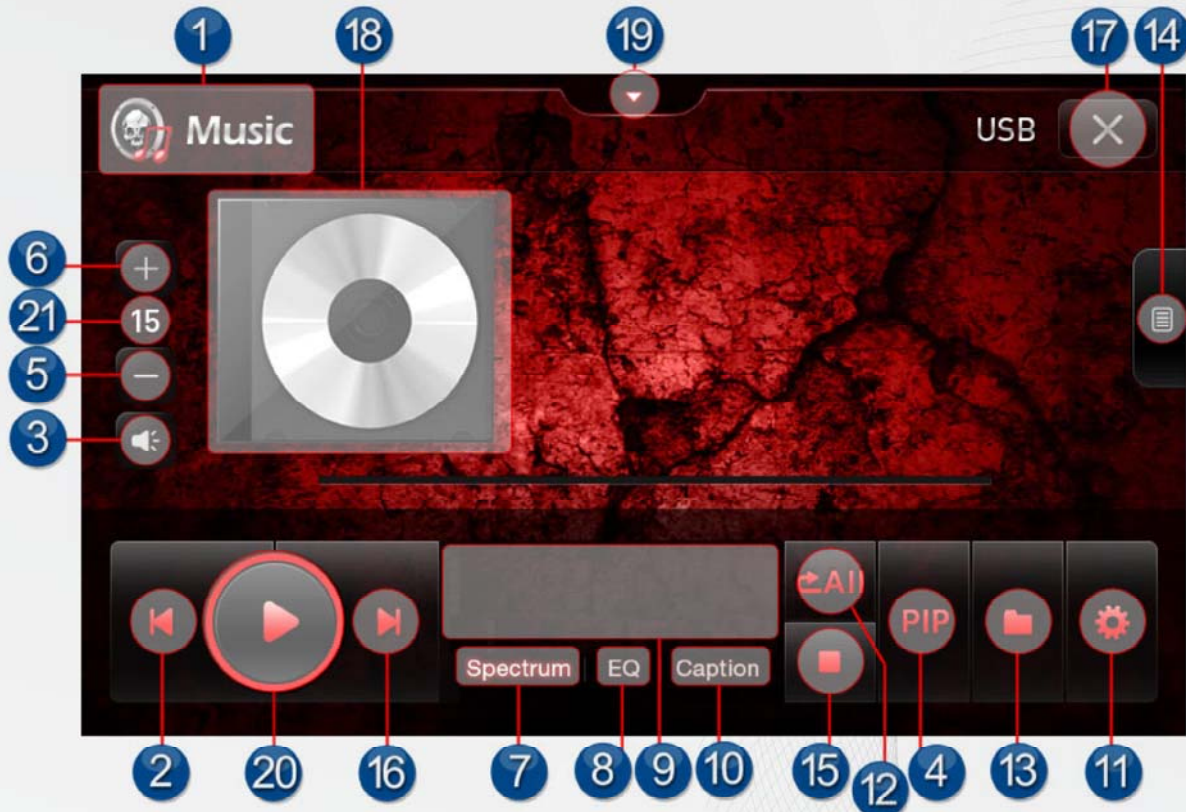
1. Tune the station you would like with either the seek or tune buttons.
2. Press and hold the preset button where you would like the station stored.
3. Once you see the station listed in the location you are done.

Note: pressing the band on the top section of the screen will quickly tune to a different station.



Music Player

Playback audio files stored in USB, SD, or Hard drive.



- | | | |
|-----------------------------------|--------------------------------------|-----------------------------|
| 1 Source display | 8 EQ button | 15 Stop button |
| 2 Previous track button | 9 Spectrum analyzer display | 16 Next track button |
| 3 Mute button | 10 Caption button | 17 Close source button |
| 4 PIP (picture in picture) button | 11 Music player color options button | 18 Album information window |
| 5 Volume down button | 12 Repeat option selector button | 19 Pull down menu |
| 6 Volume up button | 13 File manager button | 20 Play button |
| 7 Spectrum analyzer | 14 Playlist button | 21 Volume display |



Main Control Interface

This section will help you get the most out of your Ingenix source unit's media playback. Take some time to familiarize yourself with buttons located on the main control interface.. While the interface is quite intuitive it may take some time to understand all the options available at **your fingertips.**

- The main control interface is located on the bottom half of the screen.
- Pressing the large play button will pause playback. Pressing the button again will resume playback.
- Pressing "Next track" will skip ahead in your playlist.
- Pressing "Previous track" will skip back in your playlist.
- Press "stop button" to stop music playback.
- Pressing the "mute" button will mute the playback.
- Press the "mute" button again to resume the volume level. Pressing the volume up or down will also resume the volume level.
- Press the "volume up" button to increase volume and "volume down" button to decrease volume
- Volume level will be displayed between the volume up and down buttons.
- The playback button has three steps



Repeat all will repeat all tracks



Repeat will repeat the current track



Random will randomly select tracks from your playlist to playback

- Pressing the "File manager" button will access the file manager. see the section labeled "Creating and accessing a playlist" below.
- Press the playlist button to access your current playlist. In this menu you can directly skip to a song in your playlist for playback. Touch the up or down buttons to move through your playlist. You can also touch the slider to move through your playlist faster. Press the "X" on the upper right side to exit the playlist.

Creating and accessing a playlist

- To create a playlist for listen you must first access the files you wish to add.
- Press the "File search" button.
- Select files in the folder to create your playlist.
- Highlighted files will be included in the playlist.
- You can also press "Select all" to select all files in the folder.
- To save music to a playlist all songs must be in the same folder.
- Files can be moved to different folders to allow for larger playlists.

Equalizer

- The EQ icon will access the equalizer options. There are ten Equalizer presets as well as two user presets
- Press any desired Equalizer preset to adjust the different sound options.
- When finished press the X on the top right of the equalizer window to return to the music player.



Equalizer user presets

- User presets can be set at any desired levels and will automatically save for future use.
- To set a user preset first select either "User 1" or "User 2" then adjust the equalizer band by pressing the level you desire. To increase the frequency press a higher point to decrease press a lower point.
- When finished press the X on the top right of the equalizer window to return to the music player.

Main display

- The main display shows information about the media you are listening to.
- Song title and track number will be displayed at the top of the screen.
- Album art will be displayed in the center of the screen for the current, previous, and next track.
- Time status bar is located at the bottom of the main window.
- Time played will be displayed on the left and total track time is displayed on the right.
- Pressing the time status bar will allow for skipping to any point on the track.

Secondary display

- The display at the bottom center of the screen can display one of two options at a time.

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- Either the spectrum analyzer or file captions can be displayed.
- Spectrum analyzer will display a graph showing frequency responses from the music playing. Lower frequencies are to the left while higher frequencies are to the right.
- The Caption option is the second option which will display text information from the file currently playing if the file contains supported information. Ex: song title, artist etc.

Display options

- It is possible to change the colors of both the spectrum analyzer and the Text of Captions.
- Press the "Music player color options" to access display options.
- The spectrum analyzer has three color options. Blue, Violet, and emerald.
- Caption text has five color options. Yellow, Blue, Red, Black, and White.
- Touch the button with current color list to cycle through the other color options.

Pull down menu in the Music player source

- When the Music player source is started Ingenix will determine if Navigation is running.
- If Navigation is running the small Music player menu will display in the upper right hand side of the screen.
- This window will allow you to access the controls of your SD, USB, or hard drive device without leaving the navigation screen.
- Pressing the down arrow on the menu will enlarge the window and display full control over the Music Player functions.
- The PIP button in the small Music Player menu will run Music Player in full screen.
- While in the Music Player screen the Navigation PIP button will switch between the Music Player and navigation sources.
- Pressing the PIP button on the lower section of the Music Player source will switch to Navigation and display the small Music Player menu in the upper right hand side.
- All other pull down buttons have standard function as listed in the page 14.

Video Player



Playback video files stored in USB, SD, or Hard drive.

- | | | | |
|---|-----------------------------------|----|-------------|
| 1 | Media Selector (SD Card Selected) | 7 | Music |
| 2 | Folders | 8 | Play |
| 3 | Folder/File Slider | 9 | Pictures |
| 4 | Playlist Slider | 10 | Move File |
| 5 | Select All | 11 | Delete File |
| 6 | Video | | |

Starting the Video player

The first time the video player is started Ingenix will ask for a file to play.

- Select the file from the file access menu. First select the media the file is located on (SD, HDD, USB).
- Next select the folder the file is in (if the file is not already viewable)
- Last select the file and press the Play button.

From that time on when the video player is selected Ingenix will play the file from the last position viewed.

Creating and accessing a playlist

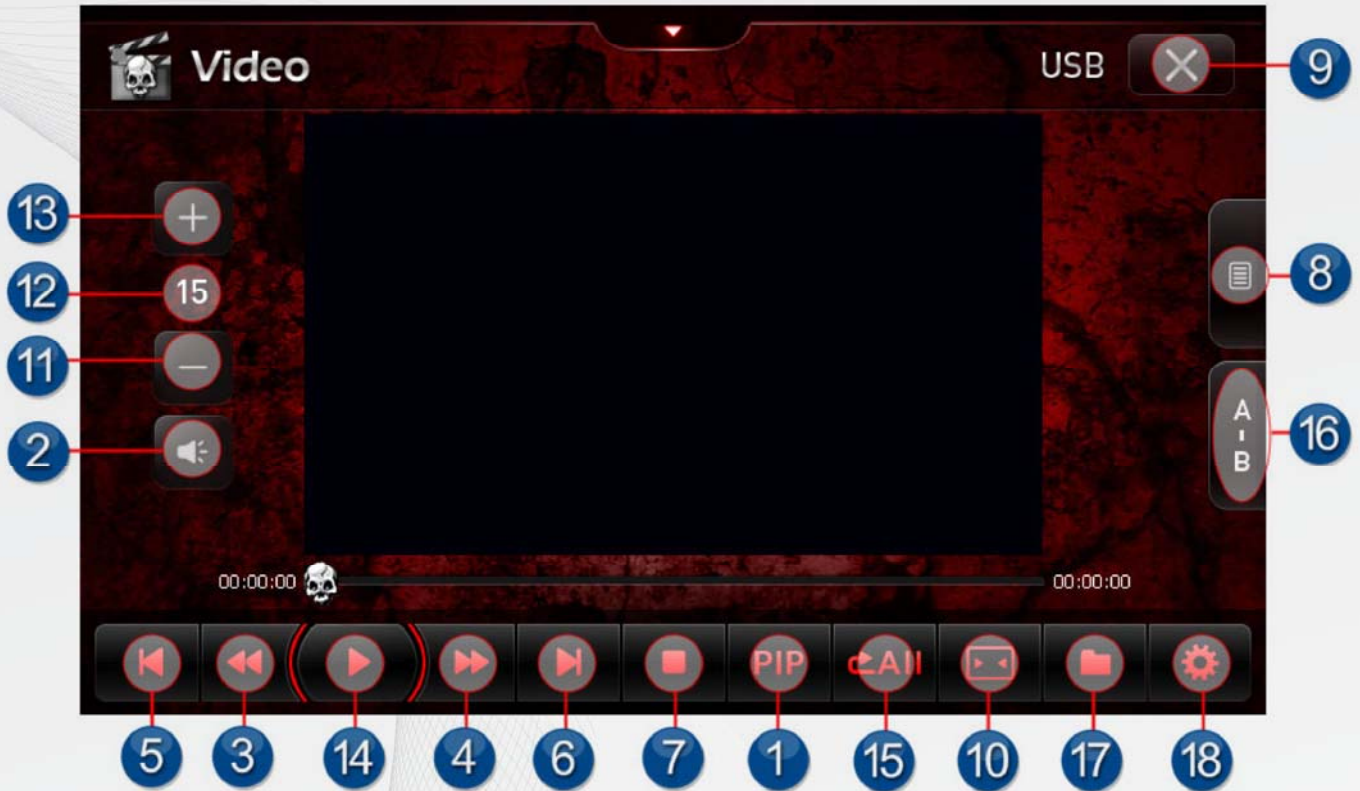
- To create a playlist for listen you must first access the files you wish to add.
- Press the "File search" button.
- Select files in the folder to create your playlist.
- Highlighted files will be included in the playlist.
- You can also press "Select all" to select all files in the folder.
- To save files to a playlist all files must be in the same folder.

Note: if the file is removed from the drive Ingenix will not play the file upon start up.

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- Files can be moved to different folders to allow for larger playlists.

Once the video file has begun touch the video to enlarge to full screen display. Touching the video screen again will return to the interface screen.

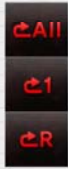


- | | | | |
|---|--------------------|----|-------------------------|
| 1 | Picture in picture | 10 | Full Screen |
| 2 | Mute | 11 | Volume Down |
| 3 | Rewind | 12 | Volume Level Indicator |
| 4 | Fast Forward | 13 | Volume Up |
| 5 | Previous Chapter | 14 | Pause |
| 6 | Next Chapter | 15 | Repeat / Random Options |
| 7 | Stop | 16 | Video Slice Selector |
| 8 | Play List | 17 | File Access |
| 9 | Exit | 18 | Subtitle Settings |

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PIP (picture in picture): this option will begin Navigation and display the video player in the PIP window inside the navigation screen.

Repeat: Repeat will select between 3 modes listed below



Repeat all : will repeat all tracks

Repeat : will repeat the current track

Random : will randomly select tracks from your playlist to playback

Video slice operation

Video slice allows the user to view a selected portion of a video file. To select the portion desired press the "A-B" button at the start of video portion desired during playback. To complete the selection press the "A-B" button at the end of the desired video portion during playback. Once completed the video will play only the sliced portion. Press "A-B" once more for normal playback.

Pull down menu in the Video player source

- When the Video player source is started Ingenix will determine if Navigation is running.
- If Navigation is running the small Video player menu will display in the upper right hand side of the screen.
- This window will allow you to access the controls of your SD,USB, or hard drive device without leaving the navigation screen.
- Pressing the down arrow on the menu will enlarge the window and display full control over the Video player functions.
- The PIP button in the small Music Player menu will run Music player in full screen.
- While in the Video Player screen the Navigation PIP button will switch between the Music player and navigation sources.
- Pressing the PIP button on the lower section of the Video player source will switch to Navigation and display the small Video player menu in the upper right hand side.
- All other pull down buttons have standard function as listed on page 14.

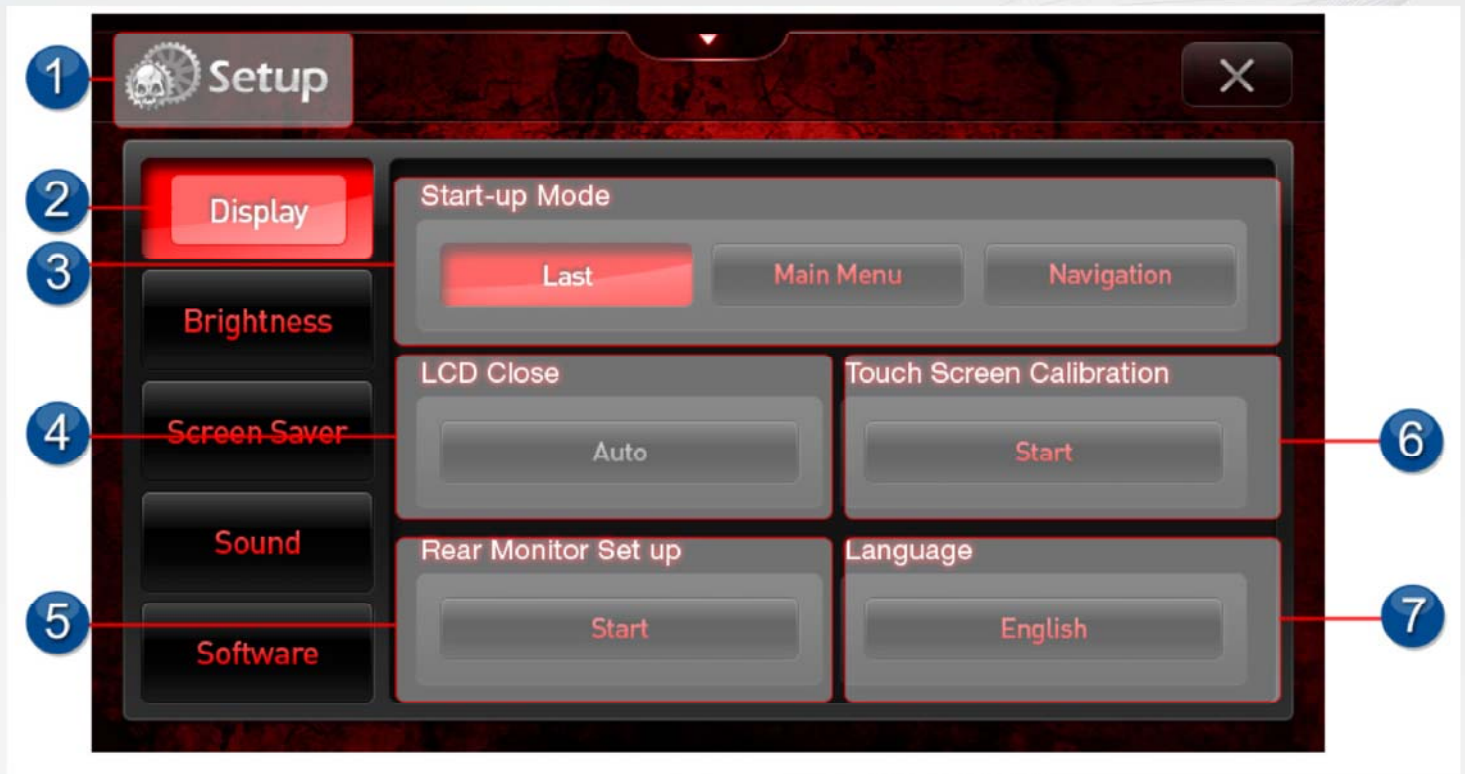


Set up

Set up will allow the user to access Ingenix system settings.

Main screen

- There are five tabs to the set up screen. Display, Brightness, Screen Saver, Sound, and software



1 Source Display

2 Display Tab Highlighted

3 Start-up Mode Options

4 LCD Screen Open/Close Option
(for select models)

5 Rear Monitor Set Up Options

6 Touch Screen Calibration function

7 Language Options

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Display:

Start-up Mode

- the display tab allows the user to choose which screen is loaded during system start up.
- If Last is selected the last source that was running will be loaded at system start up
- The other options will match the source selected.

Language

- Press the Language button to switch between English or Spanish.

Note: Icons will remain English when any language is selected.

Rear Monitor Set up

- Press the Rear Monitor Set up button to begin set up.
- The Rear monitor menu allows the user to change position and size of the image on the external monitor if needed.
- Position will allow the user to move the image to a different location on the external monitor.
- Press the up, down, left, and right arrow to move the image to the desired location.
- Size will allow the user to change the shape and size of the image.
- Press the + or - buttons at the upper or lower part of the interface to increase or decrease the height of the image
- Press the + or - buttons on the left or right of the interface to increase or decrease the width of the image.

Note: Changing the size and shape excessively can cause display issues.
If this happens, press "reset" to return to factory default settings.

LCD Close

The "LCD Close" option allows you to select whether or not the monitor will open/close each time the key is turned on/off.

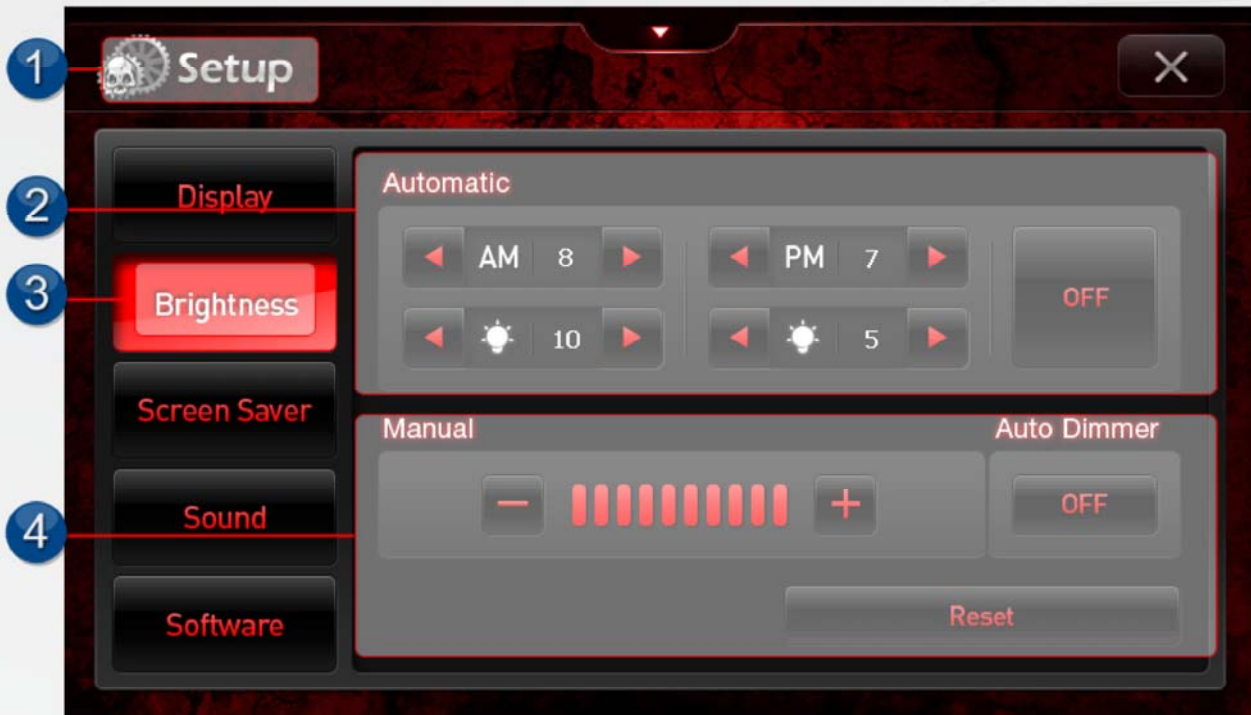
Touch Screen Calibration

Carefully press and briefly hold stylus on the center of the target.
Repeat as the target moves around the screen.



- Press "Start" to begin touch screen calibration .
- Press and hold the "+" mark on the screen for a brief moment then release.
- As the mark moves around the screen continue to press and hold briefly until the screen reads "New calibration settings have been measured"
- Touch screen calibration is now complete.
- Touch the screen again to exit calibration

Brightness:



1 Source display

2 Automatic dimmer options

3 Brightness Tab selected

4 Manual brightness options

The On/Off button to the right allows the user to see the brightness setting at day or night.

Manual

- The manual setting allows the user to select the desired brightness at any time.
- Press the left arrow to dim the screen and the right arrow to increase brightness .

The On/Off button to the right allows the user to defeat the Automatic dimmer feature.

Automatic

- The Automatic Dimmer options tab allows the user to set times for the brightness to change.
- Select the time you wish the dimmer to adjust in the upper location
- Select the brightness of the screen adjustment in the location directly below the time
- The first setting will affect the brightness in the morning and should be set to approximately the same time as sunrise.

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- The second setting will affect the dimmer in the evening and should be set to approximately the same time as sunset.
- The On/Off button to the right allows the user to see the brightness setting at day or night.

Manual

- The manual setting allows the user to select the desired brightness at any time.
- Press the left arrow to dim the screen and the right arrow to increase brightness.
- The On/Off button to the right allows the user to defeat the Automatic dimmer feature.

Reset

- Reset allows the user to bring all Brightness settings back to factory default.

Screen Saver:



1 Screen Saver Selection

4 Slider

2 Save

5 Selected Image

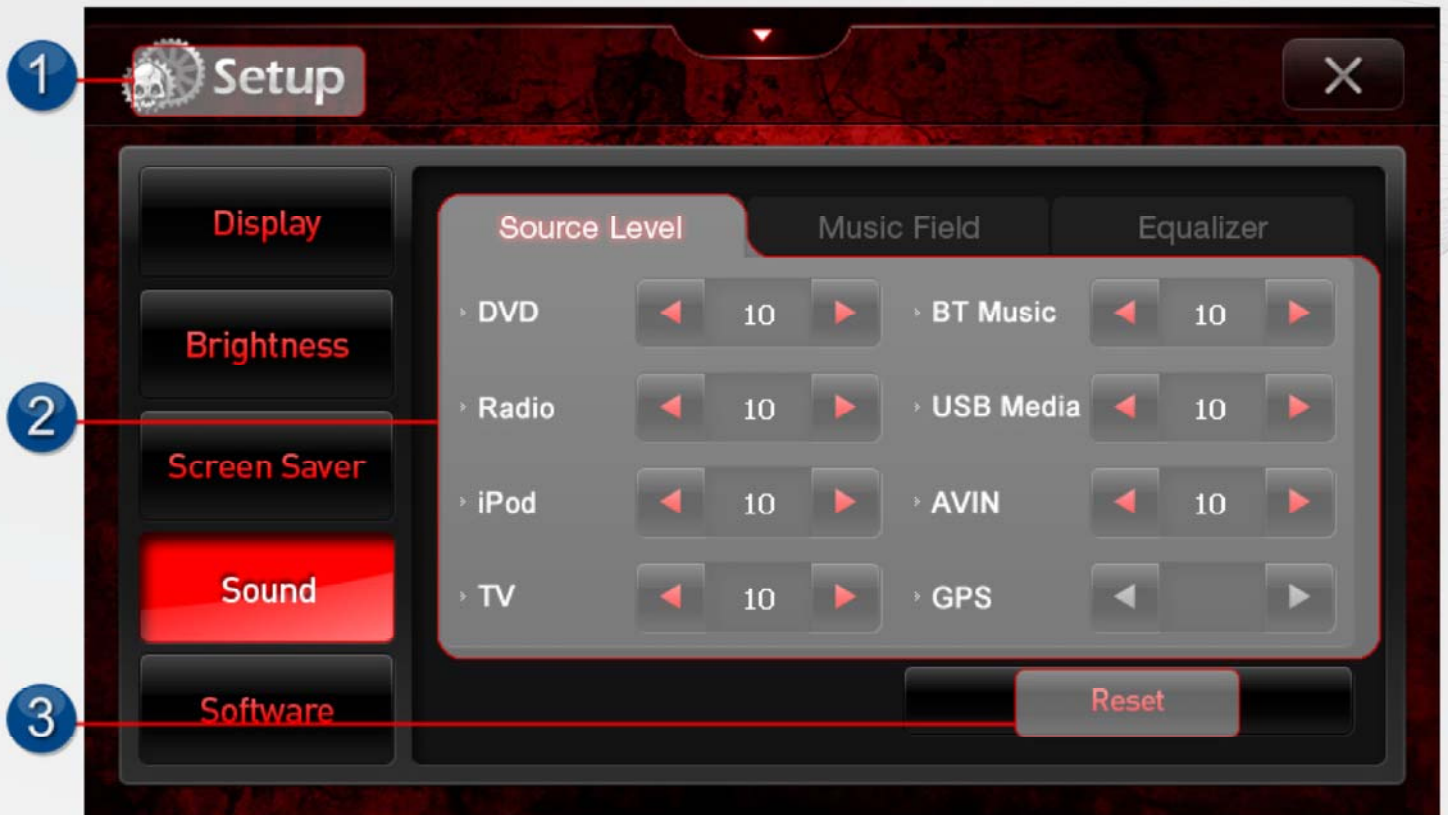
3 Reset

- The screen saver tab allows the user to select the image or function to be displayed during screen saver operation.
- Use the up and down buttons to move through store pictures and functions to locate your desired saver.
- You can also use the slider to move through pictures more quickly if needed.

Reset

- Reset allows the user to bring all Brightness settings back to factory default.

Sound:



1 Source Display

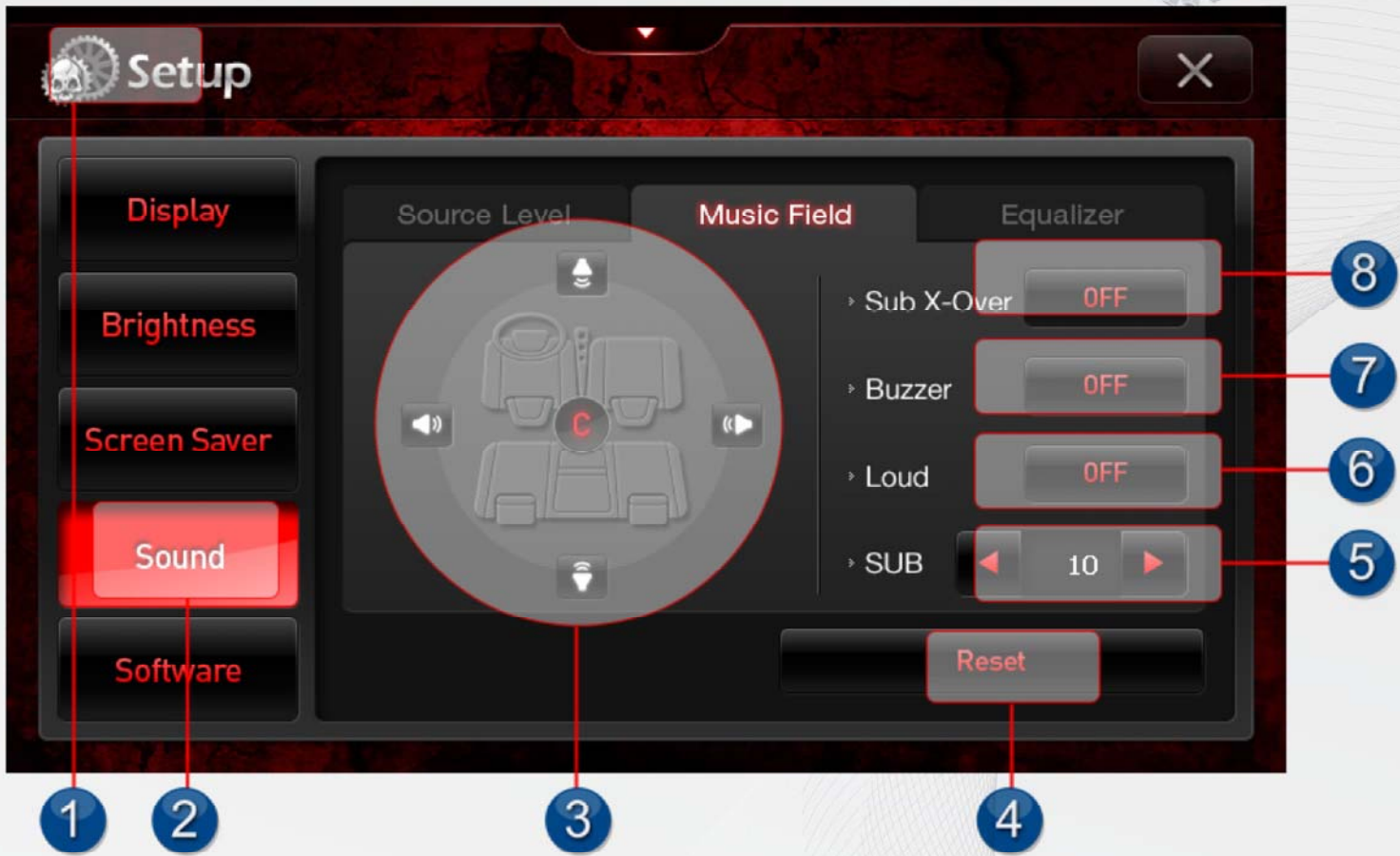
2 Source Level Controls

3 Reset

Source level screen:

The source level screen allows you to adjust the base volume level of eight sources. this helps to balance the sources to the same standard volume level.

Sound:



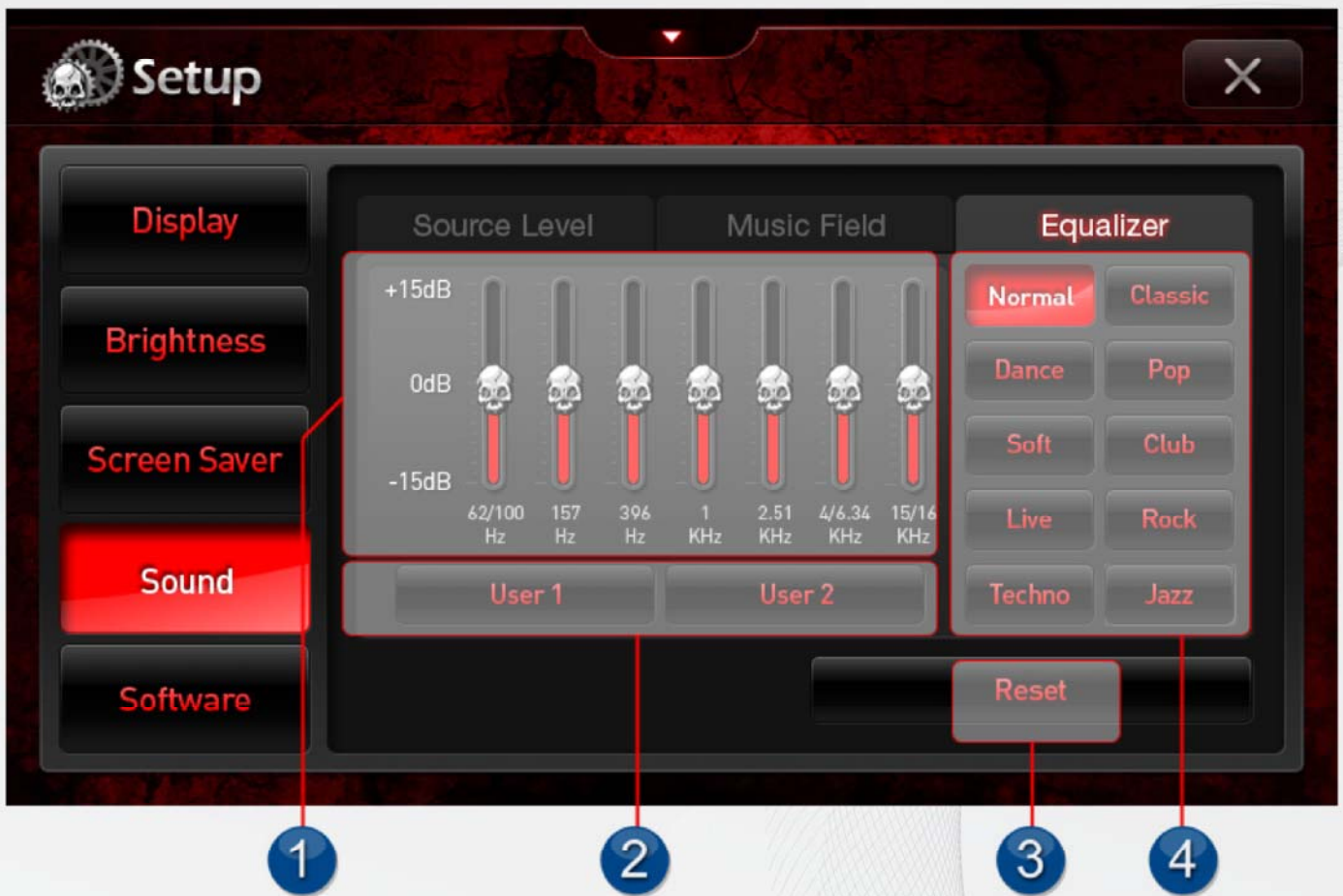
- 1 Source Display
- 2 Sound Selection
- 3 Balance / Fader
- 4 Reset

- 5 Subwoofer Level
- 6 Loud ON/OFF
- 7 Buzzer ON/OFF
- 8 Subwoofer Crossover Settings

Music Field:

The Music field allows you to set balance and fader as well as a few other sound controls. Sub X-over allows you to chose from four positions, three low pass X-over settings and off. This control will only effect devices connected to the subwoofer output. Buzzer allows you to turn on and off the sound response when buttons are pushed. Loud turns on/off the loud feature. This feature enhances lower and higher frequencies at low volume levels. The effect diminishes as the volume increases. Sub allows the user to control the volume level of the subwoofer directly. This control will only effect devices connected to the subwoofer output.

Sound:



- 1 7 Band EQ Settings
- 2 User Presets
- 3 Reset
- 4 Equalizer Presets

Equalizer:

Equalizer will access the equalizer options . There are ten Equalizer presets as well as two user presets.

Press any desired Equalizer preset to adjust the different sound options . When finished press the X on the top right of the equalizer window to return to the music player.

Equalizer user presets

User presets can be set at any desired levels and will automatically save for future use.

To set a user preset first select either "User 1" or "User 2" then adjust the equalizer band by pressing the level you desire. To increase the frequency press a higher point to decrease press a lower point.