

TERRATEC Audio Center

High Definition Audio Device

User Manual

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Table of Contents

Revision History2
Chapter 1: Installing the Software Package 5
1.1 Installation5
1.2 Un-Installation
Chapter 2: TERRATEC Audio Center11
2.0 Open TERRATEC AUREON 7.1 PCIe Device Software CPL
2.1 TERRATEC Audio Center Function Introduction
2.1.1 Default Device selected15
2.1.2 Master Volume / Mute & Un-Mute17
2.1.3 Function Pop Menu18
2.1.4 Xear 3D EX19
2.1.5 Xear Pro (ASIO)20
2.1.6 Function Page Area21
2.1.7 Audio Status Panel22
2.1.8 Profile Panel23
2.2 Speaker-Output Device function page24
2.2.1 Volume control Page25
2.2.2 Speaker Settings Page26
2.2.3 Sample Rate Page27
2.2.4 Equalizer28
2.2.5.1 Environment Effect29
2.2.6 7.1 Virtual Speaker Shifter30
2.2.7 Flex Bass II31
2.2.8 Xear SingFX33



	2.2.9 Xear Surround Speaker34
	2.2.10 Xear Audio Brilliant35
	2.2.11 Xear Dynamic Bass
	2.2.12 Xear Smart Volume
	2.2.13 Xear Voice Clarity
	2.2.14 Xear Surround Max
2.3	B Headphone-Out Device function introduction
	2.3.1 Volume control Page41
	2.3.2 Headphone Settings Page42
	2.3.3 Sample Rate Page43
	2.3.4 Equalizer44
	2.3.5 Environment Effect45
	2.3.6 Xear SingFX46
	2.3.7 7.1 Virtual Speaker Shifter47
	2.3.8 Xear Surround Headphone48
	2.3.9 Xear Audio Brilliant49
	2.3.10 Xear Dynamic Bass
	2.3.11 Xear Smart Volume51
	2.2.12 Xear Voice Clarity52
2.4	SPDIF-Out Device function introduction53
	2.4.1 Volume control Page54
	2.4.2 Sample Rate Page55
2.5	Mic-in Device function introduction56
	2.5.1 Volume control Page57
	2.5.2 Sample Rate Page58
	2.5.3 Xear SingFX Page



Appendix A - Multi-Lingual Supporting List	75
2.10 Tray Icon Function Introduction	69
2.9 Information Page Introduction	68
2.8.2 Sample Rate Page	67
2.8.1 Volume control Page	66
2.8 Stereo Mix Device function introduction	66
2.7.2 Sample Rate Page	65
2.7.1 Volume control Page	64
2.7 SPDIF-In Device function introduction	64
2.6.2 Sample Rate Page	63
2.6.1 Volume control Page	62
2.6 Line-In Device function introduction	62
2.5.5 Noise Reduction Page	61
2.5.4 Microphone Boost Page	60



Chapter 1: Installing the Software Package



Insert TERRATEC AUREON 7.1 PCIe driver CD. Double click the setup.exe file, if auto run is disabled. Press "Cancel" if you want to quit installation.

1.1 Installation

Start Driver installing, you can see a welcome window, please press "Next" button to next step, press "Cancel" if you want to quit installation as following diagram.





Click on the "Install" button to start installing.



If you see a dialog as below, please press "OK" and then shut-down your PC, and check your TERRATEC AUREON 7.1 PCIe was plug-in property or not.



Start to copy necessary files and install driver and CPL.

TERRATEC Audio Center	×
Setup Statur	
The InstallShield Wizard is installing TERRATEC Audio Center	- 24
Installing	
InstallShield	
	Cancel



Before go to the restart confirmation window, there is a message box to advise customer that they need to restart PC to make the function be effective.



Restart confirmation and click finish button to complete installing.





1.2 Un-Installation

Double click the "Programs/Uninstall a program" item from Windows Control Panel.



Select "TERRATEC Audio Center" item, and then click "Uninstall" button.

E	Programs and Fea	tures	- 🗆 🗙
€ 🤄 🔹 ↑ 🛃 → Control	Panel → Programs → Programs and Feature	s v 🖒 Search Prog	rams and Features 🔎
Control Panel Home View installed updates Turn Windows features on or off	Uninstall or change a progran To uninstall a program, select it from t Organize 💌 Uninstall	ກ he list and then click Uninstall, Change,	or Repair.
	Name	Publisher	Installed On
	AL OpenAL		03.01.2013
	STERRATEC Audio Center		03.01.2013
	٢		>
	\bigcirc		

Win7/Vista



✤ Start uninstalling process.



Before Uninstalling, you should close all audio programs to avoid the driver installation failed.



Click "Next" button to start remove...





Double confirmation



Starting remove...

Xear Audio Center		×
Setup Status		
	6	Cmedia
The InstallShield Wizard is removing C-Media High Definition Audio Device		
Uninstalling		
InstallShield		
		Cancel

Uninstall driver successfully, it is recommend restarting your computer to completely remove driver.





Chapter 2: TERRATEC Audio Center

2.0 Open TERRATEC AUREON 7.1 PCIe Device Software CPL

After the driver installing and rebooting, you will find the TERRATEC Audio Center icon on the system tray bar.

You are able to open the TERRATEC Audio Center by double-clicking on the icon as following diagram.



When you open the TERRATEC Audio Center firstly, you can see a message as below, you can get the information about how getting start to use TERRATEC Audio Center.



If you don't want to see this window next time, you can click on the "Don't show this message again" option.



The "TERRATEC Audio Center" will appear as below diagram.



If the tray icon does not appear in your system tray, please go to the Windows control panel and double click the "TERRATEC Audio Center" CPL icon to open it.



Win7 / Vista



Windows XP





How to make CPL icon visible in the system tray?



- 1. Open TERRATEC Audio Center
- 2. Click on the "Setting" button to open setting window.



3. Check "Show System Tray Icon", the TERRATEC Audio Center icon will show in the system tray.

Application S	setting
Show System Tray Icon :	1
UI Transparent :	j
Language Select :	English
Don't show start up message :	
	OK Cancel Apply



2.1 TERRATEC Audio Center Function Introduction

You can control TERRATEC AUREON 7.1 PCIe addition feature and sound effects by the TERRATEC Audio Center as below.

2.1.1 Default Device selected

Before the Audio device playback or recording operation starting, it needs to select a device for the default device. Windows OS will assign the system resource to the default device.



Set as Default Output Device (Speaker)

To mouse over on the "Speakers" device (Speakers]), and clicking mouse left on the **check**

box (speakers) or the speaker device icon to set the default device in "Speakers"





■ Set as Default Input Device (Mic)

To mouse over on the "Mic" device (), and click on the **check box** () or **Mic**

device icon to set the default device in "Mic" (

Function Behavior

- There will be one and only one **audio output device** (Speaker or SPDIF-Out) set as the default audio output device for a specific role in windows 7 and Vista.
- There will be one and only one **audio Input device** (Mic-in, Line-in, SPDIF-In or Stereo Mix) set as the default audio input device for a specific role in windows 7 and Vista.



2.1.2 Master Volume / Mute & Un-Mute

		TE	ERRATEC Audio	Center	1 0 - X
	Playback Speakers Out Capture Mic In	2 44.1 KHz	Out In EQ FØ XS SVN SF EM KS AB VC NI VSS VF DB SMX	n R	↓ • • • • • • • • • • • • • • • • • • •
Ô,	Volun	ne Cont	rol		
Speakers			Master	Front	
Headphone			Ť	††	
S/PDIF-Out ■			≼ ⊗ -6.00 dB	L R -6.00 -6.00 dB	
Mic 💅					

Master Volume Adjusting

You can increase or decrease volume of **all output device** (Speaker, Headphone and SPDIF-Out etc.) by this mater volume bar (

Mute/ Un-Mute Function

You can mute/un-mute volume of **all output device** (Speaker, Headphone and SPDIF-Out etc.) by this mute () / Un-mute button ().



2.1.3 Function Pop Menu

TERRATEC Audio Center provides several sound effects, there is a pop menu for each output/input device and you can entry into the sound effect page to enjoy your music, movie and gaming.

How to open pop menu:

- I. Double click left mouse on Device Icon.
- II. One click left mouse button on Device Icon.





2.1.4 Xear 3D EX



Function Introduction

Xear3D EX technology provides a complete and fully backward compatible 3D audio interface for Windows Vista/Win7/Win8.



2.1.5 Xear Pro (ASIO)



Function Introduction

Xear Pro (ASIO) providing a low-latency and high fidelity interface between a software application and a computer's sound card. (Recommend player: Foobar2000)

Face-Lift CPL supports launch ASIO 2.2 control panel.



(ASIO is abbreviated from "Audio Stream Input Output"; Audio Stream Input / Output (ASIO) are a computer sound card driver protocol for digital audio specified by Steinberg.)



2.1.6 Function Page Area

When you click one of the function items in pop menu, it can entry into a function page as below area as below.

Choose the Equalizer Page



Entry into Equalizer Function Page





2.1.7 Audio Status Panel



- Playback (Speakers Out) It indicates the output default device.
- Speaker Numbers (2/4/5.1/7.1) It indicates the speaker numbers for Speaker device only.
- Audio <u>Output effect indicator</u> It indicates the playback sound effect status.
- Capture (Mic In) It indicates the input default device.

4. Sample Rate

It indicates the Playback sample rate for default output device.

Abb.	Sound effect	Abb.	Sound effect
EQ	Equalizer	KS	Xear SingFX \rightarrow Key Shifting
EM	Environment Effects	VF	Xear SingFX \rightarrow Vocal Fading
VSS	7.1 Virtual Speaker Shifter	AB	Xear Audio Brilliant
FB	Flex Bass II	DB	Xear Dynamic Bass
SVN	Xear Smart Volume	VC	Xear Voice Clarity
SMX	Xear Surround Max		

1. IN effect indicator

It indicates the playback sound effect status.

Abbreviation	Sound effect
SF	Xear SingFX → Microphone Echo
SF	Xear SingFX → Magic Voice
NR	Noise Reduction

2. Switch to Profile Panel button

Click on this button will switch status bar to Profile panel. (Refer to <u>2.1.8 Profile Panel</u>)



2

2.1.8 Profile Panel

This is the profile for sound effect setting; it has the preset mode and user define mode, the user define mode can be customizing.



1. Profile Mode:

You can set the preset profile mode by these profile buttons. When the preset mode is active, there is a Green-check symbol showing on the right-down corner.

2. Add Profile:

You can adjusts specific sound effects (Ex: EQ, EM, etc...) settings and clicks this "+" add profile button to name and create a user-define mode.

3. Delete Profile:

You can click this "-"button to delete the user-define mode.

4. Switch Button:

This switches the Profile panel to Audio Status Panel.



2.2 Speaker-Output Device function page

To Access function menu, please right click

the Speaker-Output device icon, this will

provide you with the additional feature and sound effects.





2.2.1 Volume control Page



Function Introduction

This function page provides a volume control for Speaker device.

1. Volume control bar:

Master – It can adjust volume level for all channels.Front - It can adjust volume level for front channel.

2. Left/ Right Channel Lock (Front, Cen/LFE, Rear, Side):

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel to sync L/R channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area (Front, Cen/LFE, Rear, Side):

You can directly fill-in a dB value into this text box to set the volume level.



2

2.2.2 Speaker Settings Page



Function Introduction

You can set the speaker numbers (Stereo/ Quadraphonic/ 5.1 Surround/ 7.1 Surround) in this page.

1. LFE/Center Channel Swap

When this item enable, it can swap the audio stream between Center/LFE.

2. Speaker Test

Click the "Speaker Test" button, the CPL will auto play test sound in order. Front-Left \rightarrow Front-Right \rightarrow Back-Left \rightarrow Back-Right \rightarrow Center \rightarrow Bass



2.2.3 Sample Rate Page



Function Introduction

1

This function page provides a sample rate setting for Speaker device.

1.	Sample Rate button	44.1 KHz - set playback sample rate to 44.1K
		48 KHz - set playback sample rate to 48K
		88.2 KHz - set playback sample rate to 88.2K
		96 KHz - set playback sample rate to 96K
		192 z - set playback sample rate to 192K
2.	Bit Depth button	16bit - set playback bit depth to 16bit

2



2.2.4 Equalizer



✤ Function Introduction

It provides a 10-band EQ function; you will able to adjust the EQ band by manual and create customize preset items or click on the preset EQ mode

1. EQ enable/disable switch

Click on this check box to enable/disable EQ

2. Preset mode

Select a pre-set mode for equalizer that is designed accordingly. There are 12 preset modes such as Bass, Treble, Live, Rock, Jazz, etc.

3. EQ band controller

You can change the gain setting for each band (30/ 60/ 120/ 250/ 500/ 1K/ 2K/ 4K/ 8K/ 16K)

4. Manual mode

You can change the gain value of each band and then give it a name to the "A. Input

Field" and then click " to save your new setting into the "B. customization EQ list".

Click " to delete settings.



2.2.5.1 Environment Effect



✤ Function Introduction

It provides 28 special environment emulations; you can hear different sound reflection and reverberation.

1. Environment Effect enable/disable switch

Click on this check box to enable/disable Environment Effect.

2. Environment Effect mode

Click on an Environment effect button or drop the dropdown list to choose an Environment effect.

3. Zoom Size

You can change the "Room Size" to simulate a larger or smaller space.



2.2.6 7.1 Virtual Speaker Shifter



Function Introduction

You can use this page to simulate the speaker direction and distance.

1. 7.1 Virtual speaker shifter enable/disable switch

Click on this check box to enable/disable 7.1 Virtual Speaker.

2. Auto Rotation Mode

The virtual speakers rotate clockwise or counterclockwise slowly.

3. Manually Rotation Mode

Use mouse to rotate the virtual speakers on the screen manually.

4. Manual Shifting (Free Moving Mode)

Use pointer and click-and-drag to move the location of individual virtual speakers.

5. Reset

Reset the location of virtual speakers / virtual listener to default.

6. Virtual Speaker (L/R/Ls/Rs/Lb/Rb/C/W)

Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.

7. Volume Control

Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.

8. Volume indicator

Indicate value for each channel.



2.2.7 Flex Bass II



Function Introduction

You can use this function to increase/decrease the LFE strength. This function would cut the low frequency band (50~250Hz) of stereo music content (ex. Mp3, WMA, CD Audio) and transfer to subwoofer or each speaker.

1. Flex Bass II enable/disable switch

Click on this check box to enable/disable Flex Bass II.

2. Cut Off Frequency:

The cutting range of low frequency is from 50Hz to 250Hz.

3. Bass Level:

The bass level range is from -12 to 12dB.



4. Speaker Size (L/R/Ls/Rs/Lb/Rb/C/W)

Small Speaker w/o bass

When the speaker size is setting to small, you can hear the sound resonance more obvious and reverberation from subwoofer.

Large Speaker w/ bass:

When the speaker size is setting to large, you can hear the sound resonance more obvious and reverberation from itself.

5. Speaker Diagram

You also can check the speaker size from this home theater diagram.



Small Speaker

Large Speaker





2.2.8 Xear SingFX



Function Introduction

Xear SingFX page provides 2 feature for karaoke application.

1. Key Shifting switch

It provides the key change function, there are shifting-up 4 steps and shifting-down 4 steps, you can use slider bar to change the key level.

2. Vocal Fading

It provides the vocal removing function for any stereo music content (ex. Mp3、WMA、 CD), you can use slider bar to change the vocal fading level.



2.2.9 Xear Surround Speaker



Function Introduction

You can use this function to simulate a multi-speaker home theater surround listening experience by 2 channel (Stereo) Speaker device.

1. Enable Xear Surround

Click this check box to enable the Xear Surround sound effect.

2. Sound Filed Expansion / Speaker Angle

Xear Surround Speaker provide the Sound Filed Expansion and Speaker Angle for user fine tune and it can improve the listening experience



2.2.10 Xear Audio Brilliant



Function Introduction

Xear Audio Brilliant can restore the clarity and details of compressed audio in music, movies and games (MP3, WMA, AAC, AC3, etc.).

1. Enable Audio Brilliant

Click this check box to enable the Xear Audio Brilliant.

2. Brilliant Level

You can increase/decrease the Brilliant Level.

3. Reset

Return to default value.



2.2.11 Xear Dynamic Bass



Function Introduction

Xear Dynamic Bass can increases the bass reproduction capability of small speaker drivers by applying psychoacoustic techniques.

1. Enable Dynamic Bass

Click this check box to enable the Xear Dynamic Bass effect.

2. Bass Level

You can increase/decrease the Bass Level.

3. Cut-Off Frequency

You can adjust the Cut-Off Frequency range, to make the bass effect more strong.

4. Reset

Return to default value.


3

2.2.12 Xear Smart Volume

		TERRATEC Audio Center	i - ×
		Playback 2 Out In Speakers Out 44.1 KHz EQ FB XS SVN SF Capture Mic In 44.1 KHz EM KS AB VC NR	
	Ô	Xear Smart Volume	
	Speakers	Enable Xear Smart Volume	
1	Headphone	Volume Level	
· 		Mode Music(High Dynamic)	
2	S/PDIF-Out		
	Mic 🖌		

Function Introduction

Xear Smart Volume can normalize sound levels of music to reduce the frequencies required for volume adjustments on Televisions, Docking Speakers, PCs and other consumer products.

1. Enable Smart Volume

Click this check box to enable the Xear Smart Volume

2. Volume Level

You can set normalize sound level.

3. Mode

You can choose Music mode and Speech Mode for your needs.



2.2.13 Xear Voice Clarity

	_		Т	ERRATEC Aud	lio Center		1 0 - ×
		Playback Speakers Out Capture Mic In	2 44.1 KHz	Out EQ FB XS SVI EM KS AB VC VSS VF DB SM	In SF NR X	Ð	+ + +»
	Ô	Xear	Voice C	larity			Voice Clarity
S	peakers 🕤	E E	nable Xear Vo Voice Clarity	ice Clarity Level	3	Reset	
s/	PDIF-Out		Noise Suppre	ssion for comm	unication	dB Reset	
	9		0 5	10 15	20		
, 	Mic 🦉						

Function Introduction

Xear Voice Clarity can Increases clarity, intelligibility, and prominence of receiving voice in VOIP, game, music, or movies without suppressing or changing other audio.

1. Enable Voice Clarity

Click this check box to enable the Xear Voice Clarity effect.

2. Voice Clarity Level

You can increase the volume Level to make the voice more clear.

3. Noise Suppression for communication

You can eliminate the background noise.

4. Reset

Return to default volume.



2.2.14 Xear Surround Max



Function Introduction

Xear Surround Max can expand stereo audio content to each output channel. When you playing mp3 music file and enable this function, you can hear music from each speaker (8 speakers).

1. Enable Voice Clarity

Click this check box to enable the Xear Surround Max.



2.3 Headphone-Out Device function introduction

To Access function menu, please right click the Headphone-Output device icon, this

will provide you with the additional feature and sound effects.

Playback Head Phone Capture Mic In	2 44.1 KHz	Out In EQ KS AB VC SF EM VF DB SMX NR VSS XHP SVN	e	
Volun	ne Cont	rol Headphone		
ume Control adphone Settin nple Rate Jalizer vironment Effe ar SingFX Virtual Speak ar Surround He ar Audio Brillia ar Dynamic Bas ar Smart Volum ar Voice Clarity	ngs cts er Shifter adphone nt ss ne	L R -6.00 -6.00 dB		
	Playback Head Phone Capture Mic In Volum ume Control adphone Settin nple Rate halizer irronment Effect ar SingFX Virtual Speake ar Surround He ar Audio Brillian ar Dynamic Bas ar Smart Volum ar Voice Clarity ar Surround Ma	Playback Head Phone Capture Mic In 44.1 KHz Volume Control adphone Settings nple Rate halizer fironment Effects ar SingFX Virtual Speaker Shifter ar Surround Headphone ar Audio Brilliant ar Dynamic Bass ar Smart Volume ar Smart Volume ar Surround Max	Playback Head Phone Capture Mic In 2 44.1 KHz VF DB SAX NR VF DB SAX N	Playback Leapture Mic In 2 44.1 KHz Out In In Wit In In In



2.3.1 Volume control Page



Function Introduction

This function page provides a volume control for Headphone device.

1. Volume control bar:

Headphone - It can adjust volume level for Headphone device.

2. Left/ Right Channel Lock :

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel to sync L/R channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area :

You can directly fill-in a dB value into this text box to set the volume level.



1

2.3.2 Headphone Settings Page

	TERRATEC Audio Center	i 🤯 – 🗙
	Playback 2 Out In Head Phone Capture 44.1 KHz EM VF DB SMX NR	
	Mic In VSS XHP SVN	EX ASIO
^		
O	Headphone Settings	
Speakers 🔲		
Headphone d		
S/PDIF-Out		
Mic 🖌		
Speakers Headphone S/PDIF-Out Mic V	Headphone Settings	

✤ Function Introduction

You can play a test sound for headphone in this page.

1. Headphone Test

Click the "Headphone Test" button, the CPL will auto play test sound.



2

2.3.3 Sample Rate Page



Function Introduction

This function page provides a sample rate setting for Headphone device.

- Sample Rate button
 44.1 KHz set playback sample rate to 44.1K
 48 KHz set playback sample rate to 48K
 88.2 KHz set playback sample rate to 88.2K
 96 KHz set playback sample rate to 96K
 192 KHz set playback sample rate to 192K
- 2. Bit Depth button
 16bit set playback bit depth to 16bit
 24bit set playback bit depth to 24bit



2.3.4 Equalizer



Function Introduction

It provides a 10-band EQ function; you will able to adjust the EQ band by manual and create customize preset items or click on the preset EQ mode

1. EQ enable/disable switch

Click on this check box to enable/disable EQ

2. Preset mode

Select a pre-set mode for equalizer that is designed accordingly. There are 12 preset modes such as Bass, Treble, Live, Rock, Jazz, etc.

3. EQ band controller

You can change the gain setting for each band (30/ 60/ 120/ 250/ 500/ 1K/ 2K/ 4K/ 8K/ 16K)

4. Manual mode

You can change the gain value of each band and then give it a name to the "A. In-

put Field" and then click """ to save your new setting into the "B. customization

EQ list". Click "¹ to delete settings.



2.3.5 Environment Effect



Function Introduction

It provides 28 special environment emulations; you can hear different sound reflection and reverberation.

1. Environment Effect enable/disable switch

Click on this check box to enable/disable Environment Effect.

2. Environment Effect mode

Click on an Environment effect button or drop the dropdown list to choose an Environment effect.

3. Zoom Size

You can change the "Room Size" to simulate a larger or smaller space.



2.3.6 Xear SingFX

1



Function Introduction

Xear SingFX page provides 2 feature for karaoke application.

1. Key Shifting switch

It provides the key change function, there are shifting-up 4 steps and shifting-down 4 steps, you can use slider bar to change the key level.

2. Vocal Fading:

It provides the vocal removing function for any stereo music content (ex. Mp3、WMA、 CD), you can use slider bar to change the vocal fading level.



2.3.7 7.1 Virtual Speaker Shifter



Function Introduction

You can use this page to simulate the speaker direction and distance.

1. 7.1 Virtual speaker shifter enable/disable switch

Click on this check box to enable/disable 7.1 Virtual Speaker.

2. Auto Rotation Mode

The virtual speakers rotate clockwise or counterclockwise slowly.

3. Manually Rotation Mode

Use mouse to rotate the virtual speakers on the screen manually.

4. Manual Shifting (Free Moving Mode)

Use pointer and click-and-drag to move the location of individual virtual speakers.

5. Reset

Reset the location of virtual speakers / virtual listener to default.

6. Virtual Speaker (L/R/Ls/Rs/Lb/Rb/C/W)

Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.

7. Volume Control

Each virtual speaker virtualizes one channel of the 7.1 channel speakers in the real world.

8. Volume indicator

Indicate value for each channel.



2.3.8 Xear Surround Headphone



Function Introduction

You can use this function to simulate a multi-speaker home theater surround listening experience by 2 channel (Stereo) Headphone device.

1. Enable Xear Surround

Click this check box to enable the Xear Surround sound effect.

2. Room Size

Xear Surround Headphone provides 3 room size modes and one anechoic room. You can change the "Room Size Button" to simulate the difference room size and room type.



2.3.9 Xear Audio Brilliant



Function Introduction

Xear Audio Brilliant can restore the clarity and details of compressed audio in music, movies and games (MP3, WMA, AAC, AC3, etc.).

1. Enable Audio Brilliant

Click this check box to enable the Xear Audio Brilliant.

2. Brilliant Level

You can increase/decrease the Brilliant Level.

3. Reset

Return to default value.



2.3.10 Xear Dynamic Bass



Function Introduction

Xear Dynamic Bass can increases the bass reproduction capability of small speaker drivers by applying psychoacoustic techniques.

1. Enable Dynamic Bass

Click this check box to enable the Xear Dynamic Bass effect.

2. Bass Level

You can increase/decrease the Bass Level.

3. Cut-Off Frequency

You can adjust the Cut-Off Frequency range, to make the bass effect more strong.

4. Reset

Return to default value.



2.3.11 Xear Smart Volume

	TERRATEC Audio Center	10-X
	Playback 2 Out In Head Phone EQ KS AP VC SF Capture Mic In 44.1 KHz VF DB SMX NR	
	Xear Smart Volume	
Speakers	🗑 Enable Xear Smart Volume	
Headphone	Volume Level	70
	Mode Music(Uisk Dursemic)	
S/PDIF-Out		
a Mic ♥		

Function Introduction

Xear Smart Volume can normalize sound levels of music to reduce the frequencies required for volume adjustments on Televisions, Docking Speakers, PCs and other consumer products.

1. Enable Smart Volume

Click this check box to enable the Xear Smart Volume

2. Volume Level

You can set normalize sound level.

3. Mode

You can choose Music mode and Speech Mode for your needs.



2.2.12 Xear Voice Clarity



Function Introduction

Xear Voice Clarity can Increases clarity, intelligibility, and prominence of receiving voice in VOIP, game, music, or movies without suppressing or changing other audio.

1. Enable Voice Clarity

Click this check box to enable the Xear Voice Clarity effect.

2. Voice Clarity Level

You can increase the volume Level to make the voice more clear.

3. Noise Suppression for communication

You can eliminate the background noise.

4. Reset

Return to default volume.



2.4 SPDIF-Out Device function introduction

To Access function menu, please right click

the SPDIF-Output device icon, this will pro-

vide you with the additional feature and sound effects.





2.4.1 Volume control Page



Function Introduction

This function page provides a volume control for S/PDIF-Output device.

1. Volume control bar:

S/PDIF-Out - It can adjust volume level for S/PDIF-Out device.

2. Left/ Right Channel Lock :

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel to sync L/R channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute S/PDIF output.

4. dB Input Area :

You can directly fill-in a dB value into this text box to set the volume level.



2.4.2 Sample Rate Page



Function Introduction

This function page provides a sample rate setting for S/PDIF-Out device.

- Sample Rate button
 44.1 KHz set playback sample rate to 44.1K
 48 KHz set playback sample rate to 48K
 88.2 KHz set playback sample rate to 88.2K
 96 KHz set playback sample rate to 96K
 192 KHz set playback sample rate to 192K
- 2. Bit Depth button
 16bit set playback bit depth to 16bit
 24bit set playback bit depth to 24bit



2.5 Mic-in Device function introduction

To Access function menu, please right click

the Mic-In device icon, this will provide

you with the additional feature and sound effects.





2.5.1 Volume control Page



2

Function Introduction

This function page provides the recording volume and monitor volume control for Microphone device. (Same as Line-in device)

1. Volume control bar:

Mic-In – It can adjust volume level for recording.Monitor- It can adjust volume level for Mic-in monitor.

2. Left/ Right Channel Lock:

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area

You can directly fill-in a dB value into this text box to set the volume level.



2.5.2 Sample Rate Page



Function Introduction

This function page provides a sample rate setting for Microphone device.

1.	Sample Rate button	44.1 K Hz - set recording sample rate to 44.1K
		48 K Hz - set recording sample rate to 48K
		88.2K Hz - set recording sample rate to 88.2K
		96 K Hz - set recording sample rate to 96K
		192 K Hz - set recording sample rate to 192K

2. Bit Depth button16bit - set recording bit depth to 16bit24bit - set recording bit depth to 24bit



2.5.3 Xear SingFX Page



Function Introduction

When you are talking to your friends over the network like messenger, VOIP, online game applications, you can use "Magic Voice" effects to simulate some funny voice. Only one voice type can be chosen at one time.

1. Microphone Echo,

Click this check box to enable the Microphone echo effect; you can use the slider bar to change the echo level.

2. Magic Voice mode (Monster/Carton/Male/Female)

Click this check box to enable the Magic Voice effect; you can click on the any one button to set the magic voice mode.



2.5.4 Microphone Boost Page



✤ Function Introduction

You can increase the volume of the microphone recording.

1. Mic Boost slider bar

You can adjust the slider bar to change boost gain.



2.5.5 Noise Reduction Page



Function Introduction

Noise Removal effect can be used to attenuate constant background noise such as electric fans or hums.

1. Enable Noise Reduction

You can click this check box to enable the Noise Reduction effect.



2.6 Line-In Device function introduction

2.6.1 Volume control Page



Function Introduction

This function page provides the recording volume and monitor volume control for Line-in device.

1. Volume control bar:

Line-In – It can adjust volume level for recording.Monitor- It can adjust volume level for Line-in monitor.

2. Left/ Right Channel Lock:

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area

You can directly fill-in a dB value into this text box to set the volume level.



2.6.2 Sample Rate Page

	TERRATEC Audio Center	i - x
	Playback 2 and an a construct Out Speakers Out EQ FB XS SVN Capture Line in 48 KHz EM KS AB VC VSS VF DB SMX	
^		
Į	Sample Rate	
Mic 🗖	44.1 KHz	16 Bits
Line-In	 88.2 KHz 96 KHz 192 KHz 	24 Bits
S/PDIF-In		
Stereo Mix 🗖		

Function Introduction

This function page provides a sample rate setting for Line-in device.

- 1. Sample Rate button
 44.1 K Hz set recording sample rate to 44.1K
 48 K Hz set recording sample rate to 48K
 88.2K Hz set recording sample rate to 88.2K
 96 K Hz set recording sample rate to 96K
 192 K Hz set recording sample rate to 192K
- 2. Bit Depth button
 16bit set recording bit depth to 16bit
 24bit set recording bit depth to 24bit



2.7 SPDIF-In Device function introduction

2.7.1 Volume control Page



Function Introduction

This function page provides the recording volume control for S/PDIF-in device.

1. Volume control bar:

Line-In – It can adjust volume level for recording.

2. Left/ Right Channel Lock:

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area

You can directly fill-in a dB value into this text box to set the volume level.



2.7.2 Sample Rate Page



Function Introduction

This function page provides a sample rate setting for S/PDIF-in device.

- 1. Sample Rate button
 44.1 K Hz set recording sample rate to 44.1K
 48 K Hz set recording sample rate to 48K
 88.2K Hz set recording sample rate to 88.2K
 96 K Hz set recording sample rate to 96K
 192 K Hz set recording sample rate to 192K
- 2. Bit Depth button
 16bit set recording bit depth to 16bit
 24bit set recording bit depth to 24bit



2.8 Stereo Mix Device function introduction

2.8.1 Volume control Page



Function Introduction

This function page provides the recording volume control for Stereo Mix device.

1. Volume control bar:

Stereo Mix – It can adjust volume level for recording.

2. Left/ Right Channel Lock:

Clicking on the lock/ un-lock button, it can lock left-channel and right-channel.

3. Mute / Un-mute:

Clicking on the mute/ un-mute button, it can mute all channels.

4. dB Input Area

You can directly fill-in a dB value into this text box to set the volume level.



2.8.2 Sample Rate Page



Function Introduction

This function page provides a sample rate setting for Stereo Mix device.

1.	Sample Rate button	44.1 K Hz - set recording sample rate to 44.1k			
		48 K Hz - set recording sample rate to 48K			
		88.2K Hz - set recording sample rate to 88.2K			
		96 K Hz - set recording sample rate to 96K			
		192 K Hz - set recording sample rate to 192K			
2.	Bit Depth button	16bit - set recording bit depth to 16bit			
		24bit - set recording bit depth to 24bit			



2.9 Information Page Introduction

This page lists the driver information and the technologies' trademark logo. You can get both hardware/software details and also legal information references here.





2.10 Tray Icon Function Introduction

Open the "CPL Tray Icon Function List" by right-clicking on the tray Icon on system tray.



1. Open:

When click the "Open" item, will restore the TERRATEC Audio Center.

2. Volume Control:

When click the "Volume Control" item, will open the Volume Mixer of Windows OS, if you want to separately control the volume of your speakers and other sound devices or programs using this Volume Mixer.





3. Windows Media Player:

When click the "Windows Media Player" item, will open the Microsoft Windows Media Player.

Second Street	- Courte alla fint -		0			0
rganize • Stream	Create playlist		# Search			<i>P</i> •
THE LOW	Album	#	Title	Length	Rating	Contribu
 Playlists Music Artist Album Genre Videos 	Bob Acri Bob Acri Jazz 2004	3	Sleep Away	3:20		Bob Acri
Pictures Recorded TV TIGER-CDv8.1 (E:) Other Libraries Tom (tom-pc) hhchao (cmnb-eff	Mr. Scruff Mr. Scruff Mr. Scruff Lectronic 2008	1	Kalimba	5:48		Mr. Scruff
Madia Guida 🖉	Richard Stoltzman Fine Music, Vol. 1 Richard Stoltzman Classical 2008	2	Maid with the Flaxen Hair	2:49		Richard

4. Sound Recorder:

Click the "Sound Recorder" item to open the Windows Sound recorder.





5. Multimedia Properties:

Open the multimedia properties page of Windows OS, you can select the working sample rate & bit rate on the property page.

I. Select the "Speakers" device and then click the "properties" button.

layback	Recording	Sounds	Communications
Select a p	olayback de	vice belo	w to modify its settings:
	AMD H AMD H Not plu	DMI Out igh Defir ugged in	put nition Audio Device
	Speake TERRAT Defaul	e rs TEC AURE t Device	ON 7.1 PCIe sound card
0	Headp TERRAT Ready	hones TEC AURE	ON 7.1 PCIe sound card
	Digital TERRA Ready	Audio (S TEC AURE	/PDIF) ON 7.1 PCIe sound card
Config	ure		Set Default

II. Click the tag of "Advanced", enter the advanced page, and click the dropdown list to open default format support list as below diagram.



		Speakers Prop	erties	×
General Defa Sele in sl 16 16 16 16 16 16 16 16 24 24 24 24 24 24 24 24	Levels Effects Adv ult Format tt he sample rate and hared mode. pit, 44100 Hz (CD Quali pit, 44100 Hz (CD Quali pit, 48000 Hz (Studio Q pit, 48000 Hz (Studio Q pit, 96000 Hz (Studio Q pit, 96000 Hz (Studio Q pit, 88200 Hz (Studio Q pit, 86000 Hz (Studio Q pit, 96000 Hz (Studio Q pit, 9600 Hz (Studio Q pit	anced bit depth to be us by y) lifty) uality) uality) uality) uality) uality) uality) uality) uality)	ed when running Test this device	
		0	K Cancel	Apply

III. Please follow the same step to change the sample rate & bit rate for "Microphone" device on recording tag.




Defe	ut Forma								
Sele	ct the sam	nple rate	and bit d	epth to	be used	when ru	inning		
in sh	ared mo	de.							
2 cł	annel, 16	5 bit, 441	00 Hz (CD	Quality			¥		
2 ch	annel, 16 annel, 16	bit, 441	00 Hz (CD	Quality	V)			-	
E 2 ch	annel, 16	bit, 882	00 Hz (Stu	dio Qua	lity)				
2 ch 2 ch	annel, 16 annel, 16	bit, 960 bit, 1920	00 Hz (Stu 000 Hz (St	dio Qua udio Qu	ility) iality)				
2 ch	annel, 24 annel, 24	bit, 441	00 Hz (Stu 00 Hz (Stu	dio Qua	lity)				
- 2 ch	annel, 24	bit, 882	00 Hz (Stu	dio Qua	lity)			_	
2 ch 2 ch	annel, 24 annel, 24	bit, 960	00 Hz (Stu 000 Hz (St	aio Qua udio Qu	ility) iality)				
Res	tore Defa	ults							



6. Setting

Click setting item to open the "TERRATEC Audio Center" setting page as below.



I. Show System Tray Icon – Check "Show System Tray Icon" box, the TERRATEC Audio Center icon will show in the system tray.



- II. UI Transparent It can adjust the UI vision of transparent
- III. Language Select it can change the UI language. (Refer to Appendix A)
- IV. Don't show start up message it can open/close the UI start-up message.
- 7. Exit:

When click the "Exit" item, will exit the tray Icon from system tray.



Appendix A - Multi-Lingual Supporting List

TERRATEC AUREON PCI-E Audio Driver Multi-Lingual Supporting List

- Support 17 languages.
- Detail information:
 - 1. English English
 - 2. German Deutsch
 - 3. French Français
 - 4. Portuguese Português
 - 5. Spanish Español
 - 6. Russian русский язык
 - 7. Italian Italiano
 - 8. Dutch Nederlands
 - 9. Indonesian Bahasa Indonesia
 - 10. Danish Dansk
 - **11.** Chinese Traditional
 - **12.** Chinese Simplified
 - **13.** Korean 한국어 (韓國語)
 - **14.** Japanese -日本語
 - 15. Swedish Svenska
 - 16. Turkish Türkçe
 - **17.** Thai ไทย

Install program will install the corresponding language package base on the detected OS language.