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LEAGY LEAGY 18-31017

LEAGY External USB 6-Channel 5.1 Surround Sound Card Instruction Manual

Model: LEAGY 18-31017

1. Introduction and Overview

The LEAGY External USB 6-Channel 5.1 Surround Sound Card is designed to enhance the audio capabilities of your PC or laptop. This device provides a high-quality solution for both digital and analog audio processing, supporting 5.1 surround sound output and featuring S/PDIF optical input and output. It eliminates the need for an internal sound card, offering a convenient and portable audio upgrade.



Image 1: Angled view of the LEAGY External USB 6-Channel 5.1 Surround Sound Card, highlighting its compact

design and multiple audio input/output ports.

2. Product Features

- **External USB Audio Solution:** Records digital and analog audio without requiring an internal sound card.
- **5.1 Surround Sound:** Supports 6-channel audio output for an immersive listening experience.
- **Versatile Sampling Rates:** Compatible with 32 KHz, 44.1 kHz, and 48 kHz sampling rates for both recording and playback.
- **S/PDIF Optical Interface:** Includes S/PDIF input and output for digital audio connectivity, adhering to AES/EBU, IEC60958 standards.
- **Full-Duplex Operation:** Enables simultaneous playback and recording of audio streams.
- **Broad Compatibility:** Works with Windows 10/8/7/2000/XP and Mac OS 9.1 (Mac version supports 2-channel playback only).

3. Setup and Driver Installation

To ensure proper functionality, follow these steps for setup and driver installation:

1. **Connect the Device:** Plug the LEAGY sound card into an available USB port on your PC or laptop using a standard USB cable.
2. **Driver Installation:**
    - **Windows:** For Windows operating systems, drivers are typically provided on an installation CD. Insert the CD and follow the on-screen instructions. If your computer lacks a CD drive, check the official LEAGY support website for downloadable drivers.
    - **Mac OS:** For Mac OS 9.1, the device may function with built-in drivers for 2-channel playback. For full functionality or newer Mac OS versions, consult the manufacturer's website for specific driver availability.
3. **Verify Installation:** After installation, check your computer's Device Manager (Windows) or System Information (Mac) to confirm that the sound card is recognized and drivers are correctly installed.



Image 2: Rear view of the sound card, illustrating the USB IN port for connection to a computer.

4. Connections and Operating Instructions

The LEAGY sound card features various ports for connecting audio devices:



Image 3: Top-down view of the sound card's ports, clearly labeled for various audio connections.

- **MIC IN:** Connect a microphone for audio input.
- **S/PDIF IN:** Digital optical input for connecting external audio sources.
- **S/PDIF OUT:** Digital optical output for connecting to receivers or speakers with optical input.
- **LINE IN:** Analog line-level input for connecting audio devices like MP3 players or other audio sources.
- **FRONT OUT:** Analog output for front left and right speakers.
- **REAR OUT:** Analog output for rear left and right speakers.
- **CEN/BASS OUT:** Analog output for center speaker and subwoofer.

Operating Modes:

- **Digital Playback Mode:** Receives audio from the PC via USB and transmits it digitally through the S/PDIF OUT port. Note that only R L PCM audio in 5.1 channel can be transmitted in this mode.
- **Analog Playback Mode:** Supports 6-channel codec for analog audio output through the FRONT, REAR, and CEN/BASS OUT ports.
- **Digital Recording Mode:** Receives digital audio input via S/PDIF IN and sends it to the PC via USB. Supports 32 kHz, 44.1 kHz, and 48 kHz sampling rates.
- **Analog Recording Mode:** Supports a fixed 48 kHz sampling frequency for analog audio recording via MIC IN or LINE IN.



Image 4: The sound card in use, connected to a laptop and demonstrating typical audio cable connections.

5. Specifications

Feature	Detail
Brand	LEAGY
Model Number	LEAGY 18-31017
Color	Blue
Hardware Interface	USB
Audio Output Mode	Stereo (up to 5.1 surround via analog outputs)
Surround Sound Channel Configuration	5.1
Maximum Sampling Rate	48 KHz

Feature	Detail
Signal-to-Noise Ratio (SNR)	120 dB
Compatible Devices	Windows PCs, Mac computers, Laptops, Speakers, Headphones
Platform Compatibility	Mac, Windows 10, Windows 7, Windows 8, Windows XP, Windows 2000
Product Dimensions (L x W x H)	8.8 x 6 x 2 centimeters (3.46 x 2.36 x 0.79 inches)
Country of Origin	Hong Kong



Image 5: Dimensions of the LEAGY sound card, indicating its compact size.

6. Troubleshooting

If you encounter issues with your LEAGY sound card, consider the following troubleshooting steps:

- **No Sound Output:**
  - Ensure all audio cables are securely connected to the correct output ports (FRONT, REAR, CEN/BASS OUT).
  - Verify that the sound card is selected as the default playback device in your operating system's sound settings.
  - Check the volume levels on your computer and connected audio devices.
  - Reinstall the drivers to ensure they are not corrupted.
- **S/PDIF Output Not Working:**
  - Confirm that your connected receiver or speaker system is set to the correct optical input.
  - Remember that in digital playback mode, only R L PCM audio in 5.1 channel can be transmitted. Ensure your source audio is compatible.
  - Check the optical cable for damage.
- **Driver Installation Issues:**
  - If the provided CD driver is not working or you lack a CD drive, visit the official LEAGY support website for the latest drivers.
  - Ensure your operating system is fully updated before driver installation.
  - Temporarily disable antivirus software during driver installation if issues persist.
- **Intermittent Connection:**

- Ensure the USB cable is firmly connected to both the sound card and your computer.
- Try a different USB port on your computer.
- Test with a different USB cable if available.

7. Warranty and Support

The LEAGY External USB 6-Channel 5.1 Surround Sound Card comes with a 12-month worldwide warranty. If you experience any quality issues or require technical assistance, please contact the LEAGY customer service team directly for support. Refer to the product packaging or the official LEAGY website for contact information.

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