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Cambridge audio a1 integrated amplifier manual online pdf file reader











Control Buss In/Out: The Control Bus Input and Output (RCA) allows un-modulated commands from multiroom systems or other components to be received by the amp and loop out to another unit. Optical & Coaxial Digital Inputs: The CXA81 integrated amp features two optical (toslink) inputs and a S/PDIF coaxial (RCA) digital input so you connect all of your digital sources. 80 watts x 2 balanced stereo XLR input, 4 RCA audio inputs, 1 front-panel minijack (3.5mm) audio inputs for connecting a computer or compatible digital music players 80 watts x 2 balanced stereo XLR input, 4 RCA audio inputs, 1 front-panel minijack (3.5mm) audio input built-in DAC with USB, optical, and coaxial digital inputs for connecting a computer or compatible digital music players Q&A Q Will it support the Bose 901 equalizer? aptX HD preserves sound data through the wireless audio transmission, resulting in a "better-than-CD-quality" (24-bit/48kHz) listening experience. In this case, the integrated amp will automatically switch off. The Ground/Lift switch enables the USB interface earth to be disconnected from the CXA81 chassis earth. High-Quality damped metal chassis, designed to ensure that nothing rattles or interferes with the electronics. just something else to consider. You'll be able to wirelessly stream stored music, music apps, and other audio content on your Bluetooth-enabled source device to the integrated amplifier. [ ericng Jan 20, 2022 ] 2 answers A I have owned the PM7000N for 18 months and I am very happy with it. If the monitored temperature reaches a high level, the amplifier will automatically switch into a fault mode and turn off. The reason you get a fine component is so you won't need an equalizer. Trigger In/Out: The CXA81's 12V trigger input (3.5mm) can be connected to the trigger control output of home automation equipment to control the power state of the integrated amplifier. [ Jose Jan 27, 2022 ] Q How does this unit sound compare with Marantz PM7000N? If the resistance measured across the loudspeaker terminals is too low the unit will stay in Standby mode until the fault has been removed and Power up is re-attempted. The result is an amplifier with limitless reserves of power, ready to maximize the dynamic potential of any loudspeakers and able to play at any volume level without stress or distortion. The transformer is centrally located inside the chassis to minimize interference with sensitive preamp circuitry, and surrounded by hefty extruded heat sinks for cool, efficient operation. The digital inputs do not support multichannel formats, such as Dolby Digital or DTS. Subwoofer Output: The CXA81 integrated amp features a mono-subwoofer output for adding a powered subwoofer. READ LESS Featured in our article: Best integrated amplifiers for 202280 watts x 2 channels into 8 ohms (120 watts x 2 channels into 4 ohms)4-ohm capability allows use with a wide range of speakersTHD: 0.02% (20-20,000 Hz at 80% of rated power)built-in high-performance ESS Sabre SE9016K2M DACtoroidal power transformer for low noise and high-current outputBluetooth® wireless connectivity for streaming music from compatible devicesClass AB amplifier designfullmetal casework with thick, brushed aluminum front panel and acoustically damped chassis for enhanced resonance controlremote includedtwo Toslink optical digital inputsbalanced XLR left and right inputsonance controlremote resonance controlremote includedtwo Toslink optical digital input for connecting a computerfour unbalanced XLR left and right input for connecting a computerfour unbalanced stereo RCA input solution of the s preamp outputs witchable A+B speaker outputs with binding-post connectors control bus input and output12-volt trigger input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio components IR input and output for automatic synchronized on/off with compatible Cambridge Audio compatible Audio compatible Cambridge Audio compatible Cambridge Audio compatible Cambridge Audio compatible Cambridge Audio compatible A the Cambridge Audio CXA81 integrated amplifier is powerful enough to drive some of the most demanding speakers, yet has the nuance and subtlety demanded by modern recordings. To ensure there's no unnecessary high frequency noise affecting the subwoofer, the subwoofer output is filtered at 3kHz. This is high enough to prevent any phase shift associated with the low pass filter affecting what happens below 200Hz. The result is a phase linear subwoofer output signal which is clean and musical. Pre-Outs: The Cambridge Audio CXA81 is equipped with a pair of RCA pre-outs to connect the integrated amp to an external power amplifier. [ JACK O Jan 27, 2022 ] A I'm sorry, I am not familiar with the Bose equalizer, but the Cambridge has line-level inputs if that's how an equalizer needs to be connected. There are two Toslink optical digital inputs, a coaxial digital inputs, a coaxial digital inputs, a coaxial digital input for connecting a computer. Its oversized toroidal transformer means it can deliver 80 watts per channel of pure, dynamic power to your speakers. This amp build on the foundation its predecessor — the CXA80 — a Crutchfield customer favorite. [Charles Jan 21, 2022] A without plugging these amps into the speakers that you are using it is hard to tell. The CXA81 supports two USB Audio protocols - USB Audio Class 1 (which works over USB 1.1 ports and supports up to 24-bit/96kHz) or USB Audio Class 2 (which requires a USB 2.0 port and can support up to 32-bit/384kHz). Notes: Always use a high quality USB connection will still need to be done from the Bluetooth source device. The two optical digital inputs support 2ch PCM (up to 24bit/96kHz), while the coaxial digital input supports 2ch PCM (up to 24-bit/192kHz). Outputs: The Cambridge Audio CXA81 integrated amp is outfitted with A-B speaker terminals, a mono-sub output, stereo pre-outs and a headphone jack. The terminals will accept bare wire, spade connectors, single- and dual-banana plugs, RS-232C Port: The RS-232C port allows you to control the CXA81 from a custom install control system (sold separately). The unit will automatically power off during voltage or current protection. Short Circuit: During power up from standby, CAP5 performs a check on the loudspeaker terminals to see if a short across the terminals has been accidentally introduced. Bluetooth Audio Streaming w/ aptX HD: The CXA81 features built-in Bluetooth 4.2 with support for wireless music streaming (A2DP) and remote control (AVRCP). When using two pairs of speakers, use only speakers with a minimum nominal impedance of 8 ohms. Balanced & Unbalanced Audio Inputs: The Cambridge Audio CXA81 integrated amplifier is outfitted with both balanced and unbalanced and unbalanced and one pair of balanced amp features four unbalanced stereo RCA and one pair of balanced xLR inputs to connecting (lifting) the earth can be useful if electronic hum is heard through the speakers when the USB input is selected. The blue tooth experience is HD quality and with the right streaming service sounds fantastic. Windows OS: With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. With the CXA81 switched to USB Audio 1.0 driver (no need to load any new driver) and accept audio up to 24-bit/96kHz. 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Class 2 the CXA81 will work with the same Windows operating system, but will also need the Cambridge Audio USB Audio 2.0 Driver to be loaded and can then accept up to 32-bit/384kHz. Click here for USB 2.0 Audio Driver. ESS Sabre SE9016K2M DAC....Also are you spinning recods, or streaming ? The result is an amp capable of handling the heavy demands of 4-ohm speakers as well as all the dynamic peaks in music that make it sound real. The CXA81's class AB amplifier design, along with its centrally mounted oversized toroidal transformer and extruded heatsinks, will reveal spectacular detail in your music. The CXA81 is both USB 2.0 (Hi-Speed) and USB 1.1 (Full-speed) USB port compatible. A variety of connections The CXA81 offers a convenient blend of analog and digital connections for your music sources. A-B Speaker Terminals: The Cambridge Audio CXA81 integrated amplifier is equipped with two sets of gold-plated, binding-post speaker terminals: The Cambridge Audio CXA81 offers a convenient blend of analog and digital connections for your music sources. sinks, and using symmetrical and separated circuit paths for the two channels, the CXA81 will deliver stunning stereo separation and minimum cross-channel interference with great soundstage performance. Headphone Jack: The CXA81 integrated amplifier offers a front-panel 3.5mm headphone output to connect a set of headphones for private listening. ESS Sabre ES9016 K2M DAC: The CXA81 is designed to bring your music to life, no matter how it's stored. Oversized Toroidal Transformer: An oversized toroidal transformer: An oversized toroidal transformer: An oversized toroidal transformer gives the CXA81 a muscular 80 watts of power for each channel. The CXA81 a muscular 80 watts of power for each channel. can be used to turn on other equipment that has a trigger in. Intelligent Clipping: CAP5 has the ability to detect when the amplifier starts to clip or overdrive at its output, which can damage loudspeakers, and degrade the sound. I use Quboz, keep in mind to the Crutchfield team is amazing and very helpful. Painstaking engineering gives it super-low levels of distortion and supreme electrical efficiency. there is no phono amp in the CX. So it features an entirely new digital-to-analog conver. [Arthur Jan 20, 2022 ] SHOW MORESHOW LESS Articles The CXA81 was a Integrated amp product of the year. Real power for the real world Cambridge Audio's conservative power rating of 80 watts per channel only tells part of this amp's story. (The red and black caps can be removed when using banana plugs.) The use of A and B speaker terminals allow you to hook up speakers in another room. USB cable connections longer than 9.8' may result in inconsistent audio performance. Auto Power Down: The CXA81 integrated amplifier can be set to automatically go into "Standby mode" if there is no audio signal or operation for approximately 20 minutes. XLR is a higher-quality input that can reject noise and interference from equipment with balanced outputs. The CXA81 also features an RS-232C port, a Control Bus In/Out, an IR in, and a Trigger In/Out for custom remote integration. The CXA81 is a great fit for a high-quality two-channel sound system. The CXA81 does not feature a dedicated phono input. 2021 The CXA81 is a great fit for a high-quality two-channel sound system. the CXA81 is designed to minimize left/right crosstalk and provide astonishing stereo separated circuit paths. Mac OS: With the CXA switched to USB Audio 1.0 the CXA switched to USB Audio 1.0 the CXA switched to use and accept audio up to 24-bit/96kHz. With the CXA switched to use astonishing stereo separated circuit paths. USB Audio Class 2 the CXA works with the native Mac OS-X 10.5 (Leopard) or above Audio 2.0 driver and can accept audio up to 32-bit/384kHz. No extra drivers are required for either setting. Which means digital audio files up to a 32-bit/384kHz or DSD256 are brought dramatically to life, with every detail and nuance delivered intact. Overvoltage/Overcurrent: CAP5 offers V/I (voltage/current) protection by constantly monitoring the output transistors to keep them working inside their Safe Operating Area (SOA). Over Temperature detection which constantly monitors the heat generated by the output transistors. The remote operates off of three "AAA" batteries (supplied). Make sure to connect the included Bluetooth antenna on back of the integrated amp. Usually higher end components don't use equalizers because it would add something else to the signal path. The CAP5 protection if the output of the amplifier goes to a high constant voltage (DC) because of some internal fault. There's a mono subwoofer output, and a stereo RCA line output for passing signal to another amplifier. IR In: The IR input (3.5mm) allows modulated IR commands from an IR repeater or custom install systems to be received by the integrated amplifier. It should also work with the new USB 3.0 ports where the PC will simply treat the CXA81 as if it were a USB 2.0 or 1.1 device. The CXA81 has a Bluetooth wireless range of approximately 32.8 feet. It is an excellent until to play back music from Apple Music. When clipping is identified, the volume level of the integrated amplifier is automatically reduced. [Rusty Jan 27, 2022] 2 answers A I quickly familiarized myself with the Bose 901 speakers and equalizer before answering. Remote Control: The CXA81 is supplied with an IR remote control that operates this integrated amplifier and other Cambridge Audio CX series components. If you want to connect a turntable, you'll need a turntable with an built-in phono preamp or an external phono preamp (sold separately - see Accessories Tab). Only one device can be paired and connected to the integrated amp at a time. Those watts are generated by a power supply that employs an audiophile-grade toroidal transformer for plenty of steady, low-noise current. Analog components can be connected to one of four unbalanced stereo RCA inputs or the balanced XLR input. Although I do not have familiarity with that product, the section on compatibility in the 901 manual certainly suggests that there would be no problem in utilizing with the Cambridge CXA81. CAP5 Protection System: to ensure reliability and a long life for its amplifiers and connected speakers. USB-B port: The CXA81's USB-B port allows you to connect your Windows PC Or Mac computer to the integrated amplifier for playback of stored music files (up to 32-bit/384kHz). Overview The CAA81's USB-B port: The CXA81's USB-B port allows you to connect your Windows PC Or Mac computer to the integrated amplifier for playback of stored music files (up to 32-bit/384kHz). system. The new model adds Bluetooth® with aptX® HD encoding for high-quality music streaming from compatible devices. When headphones are connected, the output to both A/B loudspeakers is muted. But the built in DAC in the CXA81 supports Qualcomm's aptX HD codec that provides much higher-quality sound than previous codec versions (available in a growing number of Android mobile devices and Mac computers). The switch should otherwise be left in the Ground position. When using a single pair of speakers, use speakers with a nominal impedance of 4 ohms to 8 ohms.

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