

Front panel highlights

1 Standby switch (also known as the power button) - Hopefully, this switch is pretty self-explanatory. Pressing this button toggles Diva on and off. The button is illuminated when Diva is in the stand-by mode (off).

2 Bright Graphical VF Display - This screen is a bright, blue window onto the functions of Diva. The graphical format of this display makes it easy to see the frequency response curves of the equalizers or visually track the delay settings. If you want to suppress this fluorescent masterpiece, simply press the Display button.

3 Multi-function Control Knob - This knob allows easy access to the various menu functions. Rotating the multi-function knob varies the menu options, while press the knob functions as the enter key to move between selecting menu items and adjust parameters.

4 Menu Soft-keys - These buttons are used in conjunction with the graphical display to select various menu items. The function of these buttons varies depending on the menu screen.

5 Main Function Buttons

Display - Selects the main display between normal level meter operation, the Diva logo screen, and completely off for those who don't appreciate a good light show.

Bypass - Bypasses all signal processing.

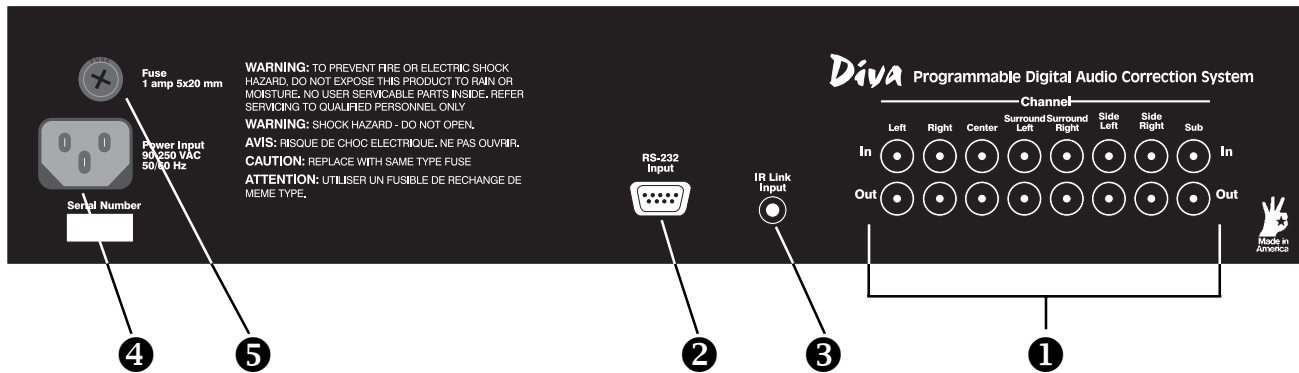
Utility - Activates the secondary function for the currently active screen.

Special - Allows control of the compressor/limiter and filter functions.


Equalizer - The graphic and parametric equalization functions are here.

Delay - Sets the digital delays for each channel and the overall time alignment.

Memory - Diva allows storing all of the operating parameters into memory scenes. The 20 different scenes are accessed here. The front panel security lock function is also located on this menu.

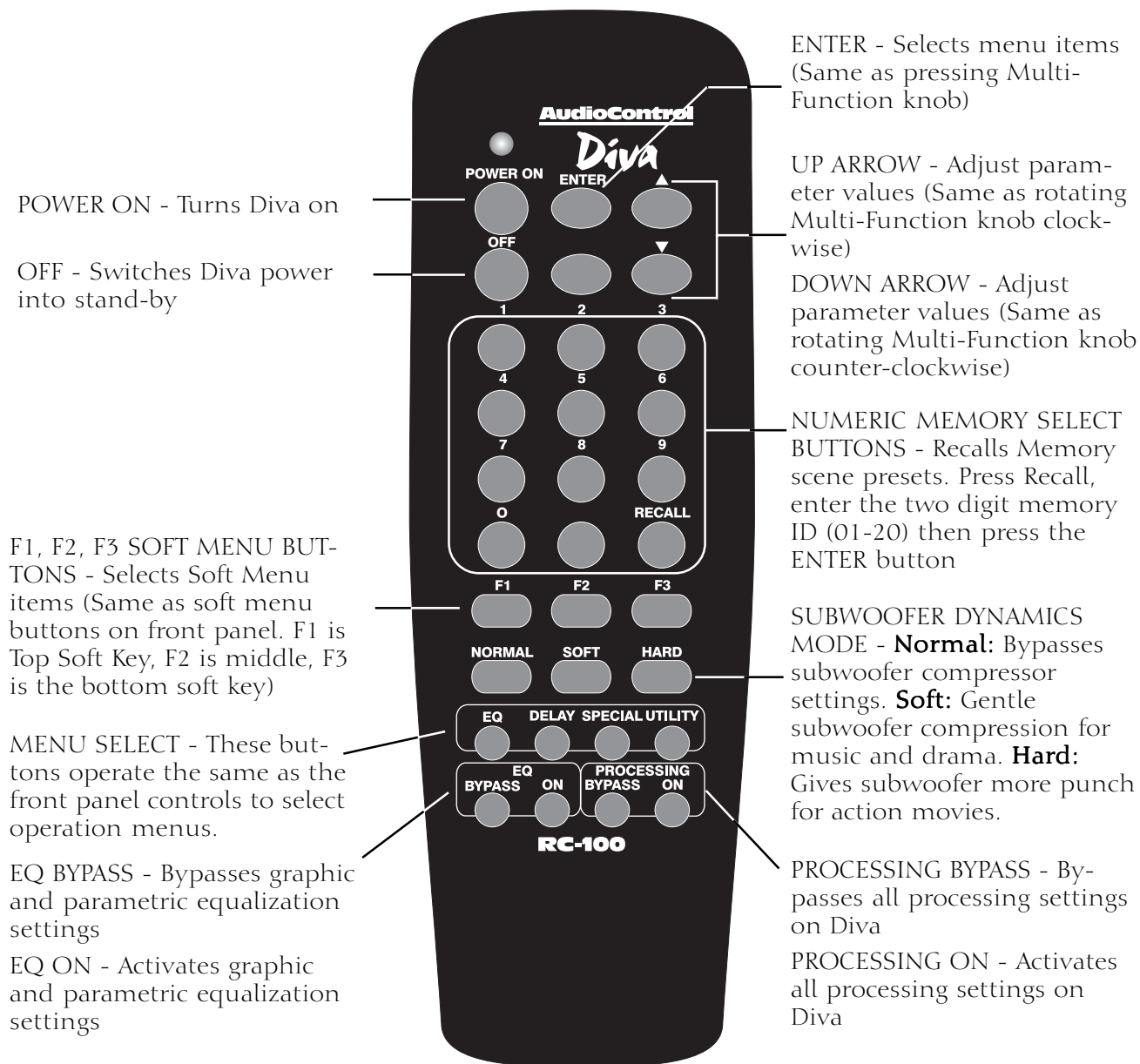


Rear panel highlights

- ❶ **RCA Audio Connections** - Diva is a digital audio processor, but it connects to the outside world in analog. These jacks connect the analog output of the surround processor/preamp to the analog inputs of the power amplifiers.
 - ❷ **RS-232 Serial Control** - This DB-9 connector links Diva to the RS-232 serial output of an automation or touch-screen system.
 - ❸ **External IR Control Link** - Diva provides an internal IR flasher for control by an IR repeater system. The 1/8" minijack connects to an internal IR LED and is connected to any IR system the same way you would use a normal IR Flasher.
 - ❹ **Power connector and cord** - This is a standard IEC-type power cord connection. Diva features a universal input power supply design, so Diva can be used with any AC line voltage from 90 volts to 250 volts without changing any switches or transformer settings.
-  **Note** - Do not plug Diva into a switched outlet.
- ❺ **Power fuse** - This is the main AC power fuse for Diva. It is a standard 5mm size.

Remote Control

Diva's infrared remote control features discrete commands for many of the primary functions. This helps to minimize command confusion when interfacing Diva with an IR learning control system.



FEATURES

Dual Motorola 56303 24 Bit DSP Digital Audio Processors

Powerful DSP audio processors provide Diva with over 160 Million Instructions per Second (MIPS) of 24 Bit audio processing. Coupled with the highest quality 24 bit digital to analog converters, Diva gives you the highest performance possible and a superior audiophile sound quality.

Eight Channels of Sound Processing

Up to Eight analog audio channels can be routed through Diva. All current analog and digital surround formats are compatible with Diva, including those with extra side channels.

Fully Compatible With Dolby Digital[®] and DTS[®] Surround Formats

The multi-channel digital signal processing in Diva is compatible with any surround format up to eight channels. This means Diva works with all of today's formats and is future protected for tomorrow's formats.

High Resolution Digital Delays

Eight independent 24 bit digital delays allow up to 340 milliseconds of speaker alignment with 10 microsecond (1/8") accuracy. You get clearer imaging and more solid bass reproduction from every installation. Diva also provides total source delay to ensure that the audio signal is always in sync with the video image.

Multiple Configurations For Different Surround Modes and Sources

Having complete control of the theatre's sound is great, but not every source (or movie for that matter) needs the same adjustment. Diva has multiple scene memories for different configuration settings. These scenes contain all of the adjustable parameters within Diva including channel configurations, equalization adjustments, speaker delay timing, and sound dynamics control. You can even create different settings for musicals versus action flicks.

Large Bright VFD Graphical Display

Even with all of this power, Diva is simple to use. The user is guided through simple on-screen menus to setup all of the functions. There is direct one-button access to the primary functions to further simplify operation.

Comprehensive System Equalization

Simultaneous parametric and fixed graphic, constant-Q equalizers are combined to give Diva the ultimate in frequency response control. Every channel features independent graphic equalization control along with 2 bands of parametric equalization adjustable anywhere from 20 Hz to 20,000 Hz. With this level of control you can handle even the most demanding surround installations.

Digital Sound Dynamics Control

An item often overlooked in many audio installations is a compressor/limiter. With this processor you can bring more life into older soundtracks, tame down overly dynamic soundtracks for late-night listening, and make certain that the subwoofer won't jump out of its enclosure when the train crashes. You get better sound, a stronger performance and a longer lasting system.

Easy Automation Integration

A built-in RS-232 serial port allows complete control over all of Diva's functions. This makes it simple to integrate into a theatre automation system. You can automatically recall the perfect equalization, time delays and dynamics settings for each video source or surround mode. The scene memories in Diva make this task even simpler since you only have to recall your desired adjustments from memory.

Non-volatile User Scene Memories

To make the Diva easy to use, all of the channel configurations, equalizer settings, delay timings and other parameters are stored together in easy to use scene memories. These configurations and user scene memories are stored in non-volatile flash memory. This means that all of your settings within Diva are safe through all kinds of power outages (both natural and man-made) and there is never any need to worry about replacing a backup battery.

Award-Winning Quality

A product of AudioControl - an award winning manufacturer of high-quality audio components since 1977. Backed up by a comprehensive Five-year warranty.

Features
