

Klipsch®

KDA AMPLIFIERS
DSP MENU USER GUIDE



SECTION 1: ACCESSING THE DSP MENU

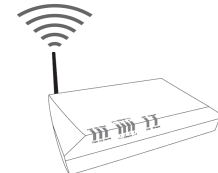
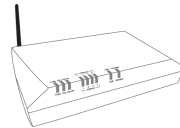
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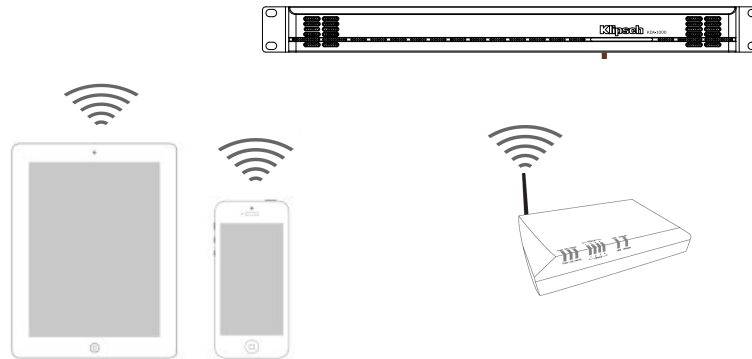
VIA DIRECT CONNECTION

1. Connect a crossover cable (required) from the ethernet port on the KDA amplifier to the ethernet port on your computer.
2. Open a web browser on your Mac or PC. Chrome or Firefox are recommended.
3. Enter the model name of the amplifier in the web browser in either of the following formats:
http://kda500
http://kda1000
4. Hit enter. The Klipsch KDA DSP Menu will open in the browser window.



VIA SMARTPHONE OR TABLET

1. Connect an ethernet cable from the ethernet port on the KDA amplifier to an ethernet port on the wireless router in DHCP mode. This is usually the default router setting, but consult your router's user manual to confirm this setting.
2. Connect your smartphone or tablet to the same router via Wi-Fi.
3. Using your router's set up software or an IP scanner (Fing IP Scanner app is recommended for [iOS](#) or [Android](#) and Advanced IP Scanner is recommended for Windows devices) to identify the IP address of the KDA amplifier.
4. Open a web browser on your device. Safari or Chrome are recommended. Enter the IP address of the KDA amplifier into the browser menu. Hit Enter.
5. The Klipsch KDA DSP Menu will open in the browser window.



The screenshot displays the Klipsch KDA 500 DSP menu for the 'Amplifier Volume' section. At the top, the Klipsch logo is on the left, 'KDA 500' is in the center, and 'Setup About' is on the right. Below this, the title 'Amplifier Volume' is centered. Four columns represent 'Output Channel 1', 'Output Channel 2', 'Output Channel 3', and 'Output Channel 4'. Each channel has a vertical stack of four circular level meters. Channel 2's second meter from the top is highlighted in green. Below each meter stack is a vertical slider control with a circular knob. At the bottom of each slider is a numerical value in a box with up/down arrows: -18 for Channel 1, -31 for Channel 2, 0dB for Channel 3, and -26 for Channel 4. On the left side of the image, two red brackets point to the level meters and sliders respectively, with accompanying text explaining their function.

Klipsch®
KDA 500 Setup About

Amplifier Volume

Output Channel 1 **Output Channel 2** **Output Channel 3** **Output Channel 4**

OUTPUT LEVEL METERS
Indicates output clip level.

OUTPUT LEVEL
We recommend setting these to unity gain (0dB), as most volume levels will be controlled at the source component.

Level Level Level Level

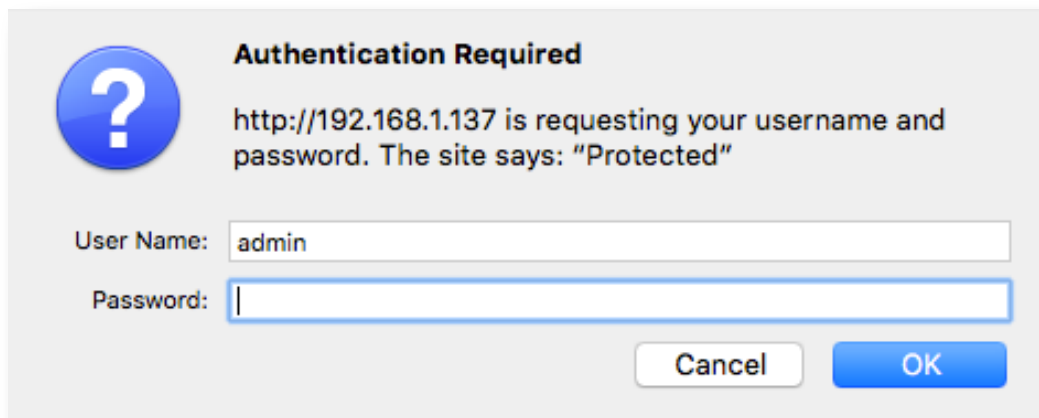
-18 -31 0dB -26

The following pages are password protected.

USERNAME:
admin

PASSWORD:
admin

This can be changed on the GENERAL settings page.



The image shows a dialog box titled "Authentication Required" with a blue question mark icon. The text inside reads: "http://192.168.1.137 is requesting your username and password. The site says: 'Protected'". Below the text are two input fields: "User Name:" with the value "admin" and "Password:" which is empty. At the bottom right are "Cancel" and "OK" buttons.

Authentication Required

http://192.168.1.137 is requesting your username and password. The site says: "Protected"

User Name:

Password:

Cancel OK

“FLASH AMP LED” COMMAND
When activated, this button will flash the front LEDs on the amplifier you are connected to. This is helpful in situations when multiple amplifiers are racked.

POWER CONFIGURATION
POWER MODE:
Always On - Stays on until hard power switch is turned off.
External Trigger - Senses input trigger from 12V trigger input on back panel
Auto On - Amplifier auto detects signal from input source

AUTO ON THRESHOLD: Sets sensitivity to input signal for auto turn-on.

TURN ON DELAY: Delays turn on from initial signal detection - useful for specific power sequencing

AMPLIFIER NAME
Customize amplifier name.

The screenshot displays the Klipsch KDA 500 DSP menu interface. At the top, the Klipsch logo and 'KDA 500' are visible. Navigation tabs include 'Home', 'General', 'Input', 'EQ', and 'Output'. The 'Network' section contains fields for IP Address (192.168.0.132), Default Gateway (192.168.0.99), Subnet Mask (255.255.255.0), Primary DNS (192.168.0.11), and Secondary DNS (192.168.0.12). A 'DHCP Enable' checkbox is present and unchecked, along with a 'Submit' button. The 'Power Configuration' section features a 'Power Mode' dropdown set to 'Always ON', an 'Auto-on Threshold' dropdown set to '5mV', and a 'Turn-on Delay' dropdown set to '0 sec'. An 'Amplifier ON' indicator shows a red light. The 'Amplifier Information' section shows the 'Amplifier Name' as 'KDA-500 #1' and the 'Serial Number' as 'SN:1234567890'. Red boxes highlight the 'Flash Amp LEDs' button, the 'Auto-on Threshold' dropdown, and the 'Amplifier Name' field. Red lines connect these elements to their respective descriptions on the left.

OUTPUT CHANNEL NAME
User customizable,
auto-populates to other menu pages.

INPUT / SOURCE SELECT
Selects which input should be used with the
output channel. 1+2 or 2+3 represent stereo
channels summed to mono output.

VOLUME SETTINGS
VOLUME OFFSET:
Input volume trim - useful to balance volume
variances between different inputs source
types.

TURN ON VOLUME:
Dictates the volume level at which the
channel will power on after a power cycle.

MAXIMUM VOLUME:
Dictates maximum volume level - useful in
areas where loud volume is not preferred.

The screenshot displays the Klipsch KDA 500 DSP menu. At the top, the Klipsch logo is on the left, and navigation buttons for 'Home', 'General', 'Input', 'EQ', and 'Output' are on the right. The 'Input' menu is active. Below the navigation, there are four channel settings, each with a 'Channel' label, an 'Output Channel' dropdown, an 'Input' dropdown, a 'Level' indicator (three dots), and three volume sliders: 'Volume Offset', 'Turn On Volume', and 'Maximum Volume'. The values for each channel are: Channel 1 (Output Channel 1, Input 2, Level 1, Volume Offset -5, Turn On Volume -21, Maximum Volume -35); Channel 2 (Output Channel 2, Input 2, Level 2, Volume Offset -20, Turn On Volume -33, Maximum Volume -32); Channel 3 (Output Channel 3, Input 1+2, Level 3, Volume Offset -9, Turn On Volume -15, Maximum Volume 0); and Channel 4 (Output Channel 4, Input 3, Level 4, Volume Offset -18, Turn On Volume -21, Maximum Volume -16). Red boxes highlight the 'Output Channel 1' and 'Input 2' dropdowns in the first channel, and the 'Input 1+2' dropdown in the third channel. A red line also points to the 'Input 1+2' dropdown from the 'VOLUME SETTINGS' text on the left.

Klipsch
KDA 500

Home | General > Input > EQ > Output

Edit

Output Channel 1 | Output Channel 2 | Output Channel 3 | Output Channel 4

Crossover

High Pass OFF	Low Pass OFF
Slope [dB/oct] 6dB	Slope [dB/oct] 6dB
Frequency [Hz] 1000	Frequency [Hz] 1000

Shelving

High Shelf OFF	Low Shelf OFF
Gain [dB] 0	Gain [dB] 0
Frequency [Hz] 1000	Frequency [Hz] 1000

Delay

mSec
0

Feet
0

Meters
0

Parametric EQ

PEQ 1	PEQ 2	PEQ 3	PEQ 4	PEQ 5
ON	ON	ON	ON	ON
Gain [dB] 0	Gain [dB] 0	Gain [dB] 0	Gain [dB] 0	Gain [dB] 0
Q 1	Q 1	Q 1	Q 1	Q 1
Frequency [Hz] 1000	Frequency [Hz] 1000	Frequency [Hz] 1000	Frequency [Hz] 1000	Frequency [Hz] 1000

Invert

OFF

OUTPUT CHANNEL
Select which output channel to edit.

SHELVING
Specialized EQ allows user to boost or cut high or low frequencies with ease.

CROSSOVER
Set High Or Low Pass slope and frequency.

PARAMETRIC EQ
5-band fine-tuning EQ allows user to adjust frequency, filter width (Q), and boost/cut.
*Digital Domain - settings are completely bypassed when in "neutral mode".

PHASE INVERT
Invert output signal phase (0° / 180°).

SPEAKER PRESET
 Select Klipsch products to optimize acoustic performance through custom designed DSP settings. Will insert custom EQ and limiter settings in the corresponding output channel on the EQ page. Shows "Custom" when user EQ/limiter settings are used.

LIMITER
 Set maximum output wattage to ensure correct speaker reliability.

OUTPUT MODE
 Select stereo mode for independent channels, or bridged mode to combine channels for more output power. When using 70V or 100V, bridged channels are required.

OUTPUT IMPEDANCE
 Select output impedance from channel to match speaker (4 ohm / 6 ohm / 8 ohm / 16 ohm / 70V / 100V).

The screenshot shows the 'Output Configuration' menu for the Klipsch KDA 500. At the top, there are navigation buttons for 'Home', 'General', 'Input', 'EQ', and 'Output'. The main title is 'Output Configuration'. Below this, there are four channels labeled 'CH 1' through 'CH 4'. Each channel has a 'Speaker preset' dropdown menu, a 'Limiter' dropdown menu, an 'Out Impedance' dropdown menu, and an 'Output Mode' dropdown menu. To the right of each channel is a 'Level' indicator consisting of five dots, with the top dot being green. Red boxes highlight the following settings: 'Custom' in the Speaker preset, 'Preset' in the Limiter, 'Stereo' in the Output Mode, and '4 Ohms' in the Out Impedance for all four channels.

HARDWARE USER MANUAL

[KDA-500 & KDA-1000](#)

PRODUCT WEB PAGES

[KDA-500](#)

[KDA-1000](#)

SPEC SHEETS

[KDA-500](#)

[KDA-1000](#)

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