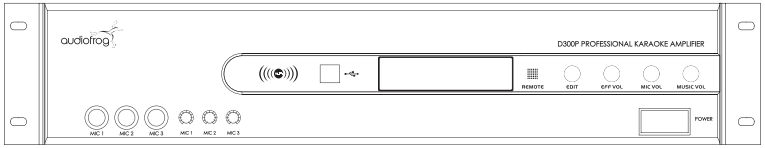
Attention!
To reduce the risk of fire or electric shock,
do no expose this unit to rain or moisture

audiofrog

Professional Karaoke Amplifier

D300P

User Manual



SAFETY PRECAUTIONS

Please read these safety precautions before proceeding.

Power: This device is designed to operate on 110V or 220V AC. Please see the package or the back of the unit to confirm that the configuration is right for your location.

Power Cord: Do not allow the cord or the plug to be crushed or damaged.

Humidity: Do not expose this unit to moisture or liquid of any kind. Do not allow liquid to enter the unit through the vent holes or the edges of the case.

Temperature: Do not install near any heat sources such as radiators, stoves, or any other appliances that produce heat.

Internal Components: Refer all repairs or service to a qualified service professional. Do not attempt to repair or service this unit yourself. Opening the cover may expose you to dangerous voltage or other hazards.

Cleaning: Do not clean the surface of the unit with any harsh chemicals. Use only a dry cloth to remove accumulated dust.

Odor: If you smell something burning and suspect a malfunction, turn off the power and unplug the unit immediately.

If you will not use the unit for an extended period of time, turn off the unit and unplug the power cord. Do not allow foreign objects to fall into the unit. Do notinsert foreigh objects into the vents or the cooling fans. If a foreign object should fall into the unit, unplug the power cord and take the unit to a qualified service professional.

Warning: Do not route the power cord under the unit or between several units in the same equipment rack or on the same shelf. Do not route the power cord in a manner that may create a tripping hazard or where it may be exposed to damage.

INTRODUCTION AND CONTENTS

Thank you for choosing the Audiofrog D300P. We have designed and manufactured this product to the highest quality standards to ensure superior performance and a long and trouble-free service life.

Be sure to inspect the packaging and its contents for any damage that may have been incurred during shipping and handling.

Please read this User Manual before you connect and operate the unit and to be sure your D300P performs its best.

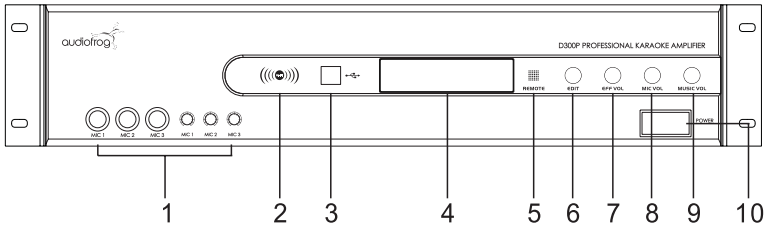
CONTENTS

FEATURES

This unit is a two channel stereo karaoke amplifier that includes industry leading built-in professional digital signal processing effects. The D300P is suitable for all kinds of professional performance venues, KTV rooms and for karaoke at home.

- 3.1 Channel playback (requires additional amplifier channels for center and subwoofer speakers).
- 7 levels of high fidelity Key control
- 7-band parametric equalizer (PEQ) for music, 10- band PEQ, high-pass and low-pass filters (HPF/LPF) for each of two micrphones inputs.
- HPF/LPF and 3-band PEQ for Effects inputs.
- 3-band PEQ, HPF/LPF, input selection and mixing, polarity, gain and mute for Main inputs.
- 3-band PEQ, HPF/LPF, input selection and mixing, polarity gain and mute for Center output.
- 3-band PEQ, polarity, gain and mute for Subwoofer output.
- Professional 200MHz, 4-core high speed digital signal processor with 48kHz sampling rate and 24-bit D/A and A/D convertors.
- Professional PC and iOS software offers convenient user operations when the PCor iOS device is connected to the unit via USB or WiFi.
- 13 system memory groups for storing of user and system settings including 6 preset groups, 6 self-effect groups and one dance party group. The unit remembers the last settings upon startup.
- Two levels of security lock to protect your settings.
- Singing/Dancing mode switches automatically. Dancing mode parameters are saved in DanceData.

FRONT PANEL AND FUNCTIONS



1. Mic Input and Level Control
Microphone input connectors with independent volume controls

2. WiFi Signal Window
Indicates WiFi signal transmission and reception

3. USB Connector
Provides PC connection for control via software

4. LCD Screen
Indicates adjustment parameters and settings

5. Remote Control Indicator
Indicates remote control signal reception

6. Edit Button
Used for adjusting volume, system parameters and functions

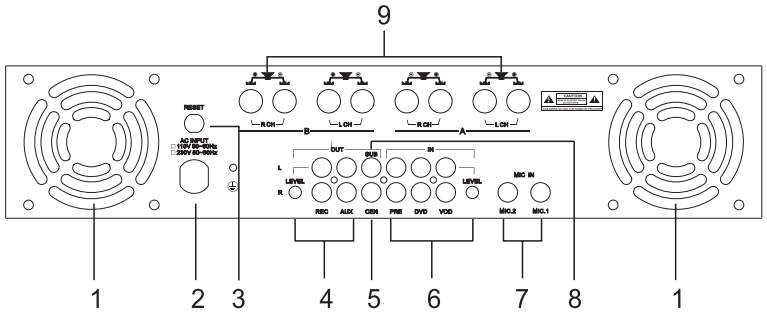
7. Effect Volume Button
Used for adjusting the effect volume and effect parameters

8. Microphone Volume Button
Used for adjusting the microphone volume and parameters

9. Music Volume Button
Used for adjusting the music volume and parameters

10. Power Switch
Used to turn the unit on and off

BACK PANEL AND FUNCTIONS



1. Cooling Fan

2. Power Cord

3. Overload Protection Indicator

If this indicator is lit, turn the volume down or turn off the power

4. Signal Outputs

Connect these to the input connectors of other amplifiers

5. Center Signal Output

Connect this to the input connector of an amplifier used to drive the center speaker

6. Signal Inputs

Connect these to the outputs of source equipment

7. Mic Inputs

Connect these to the output connectors of microphones or microphone preamplifiers.

8. Sub Output

Connect this to the input of an amplifier used to drive the subwoofer

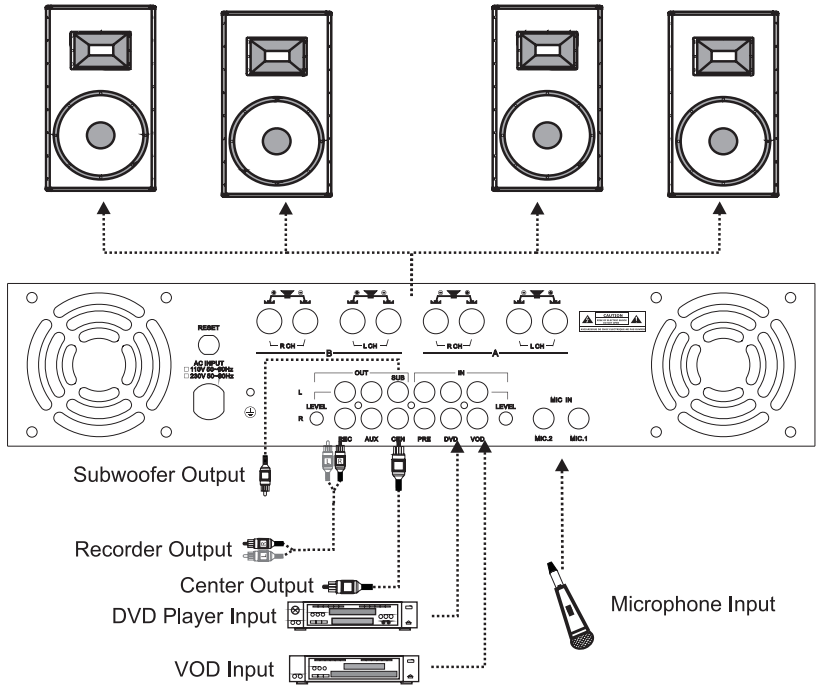
9. Speaker Outputs

Connect these to the main left and right speaker input terminals

SYSTEM CONNECTION DIAGRAM

Connections:

Using 16 AWG wire (or larger), connect the speakers to the speaker terminals A and B. Be sure to observe proper polarity by connecting the speaker terminal marked “+” to the “+” terminal on the amplifier. Connect the “-” terminal of the speaker to the “-” terminal of the amplifier. If you are using two speakers, connect them to the RCH and LCH connectors marked “A”. If you will use four speakers, connect the second pair of speakers to the terminals marked “B”. The total impedance connected to each of the amplifier channels should be equal to or greater than 4 Ohms.



Connect the other equipment to the D300P as shown in the diagram above.

Editing Parameters

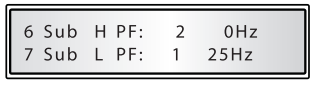
When the unit is turned on, it will display the parameters that were in use when the unit was turned off. Those parameters will remain in use each time the unit is turned off and on again until they are changed.

Rotate the Edit knob to display each of 23 adustable parameter menus

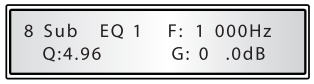
◊ Feedback settings: 1-5
◊ Music Input: DVD or VOD

◊ Control Mode: Easy mode/Professional mode selection
◊ Work Mode: Sing mode/Hot-dancing mode selection

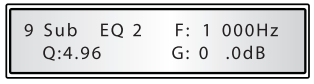
◊ Sub Volume: -80 to 12dB



◊ Sub HPF: 20 to 20KHz
◊ Sub LPF: 20 to 20KHz

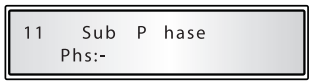


◊ Sub EQ1: Frequency and Gain are adjustable



◊ Sub EQ2: Frequency and Gain are adjustable

◊ Sub EQ3, parameters are adjustable independently in each EQ



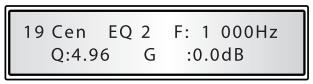
◊ Sub Phase setting

◊ Center Volume: -80 to 12dB
◊ Center Mic Volume: 0 to 100%

◊ Center Music Volume: 0 to 100%
◊ Center Effect Volume: 0 to 100%

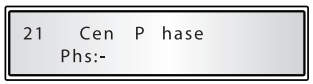
◊ Center HPF: 20 to 20KHz
◊ Center LPF: 20 to 20KHz

◊ Center EQ1, Frequency and Gain are adjustable



◊ Center EQ2, Frequency and Gain are adjustable

◊ Center EQ3, Frequency and Gain are adjustable



◊ Center phase setting

◊ Save data to USER(1-6)

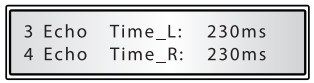
◊ Load data from USER(1-6)or KTV(1-6)or Dance

Easy Mode Menu:

Effect

◊ Echo Volume: 0 to 100%

◊ Reverb Volume: 0 to 100%



◊ Echo Time Left/Right: 0 to 680ms

◊ Reverb Mode: OFF, S.Room, L.Room, S.Hall, L.Hall

◊ Reverb Time: 0.1 to 4.0s

◊ Effect Max Volume: 0 to 64

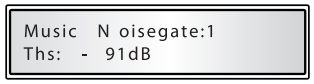
MIC

◊ Mic selection

◊ Mic Gain: -80 to 12dB

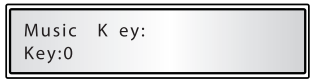
◊ Mic Max Volume: 0 to 64

Music



◊ Music Noisegate

◊ Threshold: OFF, -91 to 0dB



◊ Music Key: ±7 levels

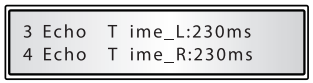
◊ Music Max Volume: 0 to 64

Professional Mode Menu:

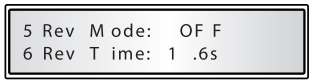
Effect

◊ Echo Volume: 0 to 100%

◊ Reverb Volume: 0 to 100%



◊ Echo Time Left/Right: 0 to 680ms



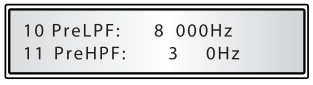
◊ Reverb Mode: OFF, S.Room, L.Room, S.Hall, L.Hall

◊ Reverb Time: 0.1 to 4.0s

◊ Effect Max Volume: 0 to 64

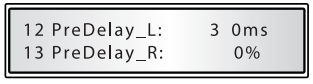
◊ Effect Direct: 0 to 100%

◊ Echo Repeat: 0 to 100%



◊ PreLPF: 20 to 8000Hz

◊ PreHPF: 20 to 8000Hz

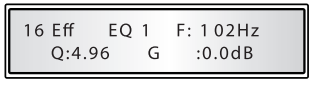


◊ PreDelay Left: 0 to 340ms

◊ PreDelay Right: 0 to 100%

◊ Echo Lo Damp: 0 to 100

◊ Echo Hi Damp: 0 to 100



◊ Effect EQ1, Frequency and Gain are adjustable

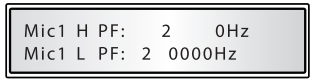
◊ Effect EQ2, Frequency and Gain are adjustable

◊ Effect EQ3, Frequency and Gain are adjustable

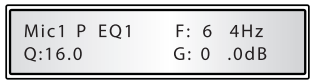
◊ Reverb Hi Damp: 0 to 100
◊ Reverb PreHPF: OFF, 20 to 1200Hz

MIC1 and MIC2

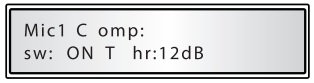
◊ Mic1 MAX VOL: 64



◊ Mic HPF: 20 to 20KHz
◊ Mic LPF: 20 to 20KHz



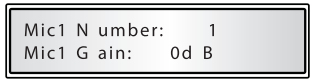
◊ Mic PEQ: 10 bands, Frequency and Gain are adjustable.



◊ Mic Compression
◊ Start threshold: -80 to 12dB

◊ Recovery time: 5 to 100ms
◊ Release time: 2ms,4ms,6ms,8ms,16ms,32ms;
Compression rate: 1 to 128:1

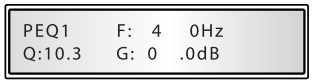
◊ Mic Noisegate
◊ Threshold: OFF, -91 to 0dB



◊ Mic selection
◊ Mic Gain: -80 to 12dB

◊ Mic Max Volume: 0 to 64

Music



◊ Music PEQ 7 bands, Frequency and Gain are adjustable.

◊ Music Noisegate
◊ Threshold: OFF, -91 to 0dB

◊ Music Key: ±7 levels

◊ Music Max Volume: 0 to 64

Data structure of the device:
Parameter data can be saved to USER (1-6). KTV (1-6) cannot be used for saving, but only for restoring. Data in KTV (1-6) includes all parameters, but Max Volume will revert to the value to which it was set when the unit was last turned off.

Data Operations:
Saving Data:
If you are satisfied with the current settings, rotate the EDIT button until SAVE is displayed. Press the EDIT button until the screen begins flashing. Then, press the EDIT button again to save the settings to one of the USER(1-6) positions.

Loading Saved Parameters:
Rotate the EDIT button until LOAD is displayed and press the EDIT button. Then, rotate the EDIT button to sequentially display 6 KTV Settings (KTV (1-6)), 6 USER settings (USER(1-6)) and one DANCE setting. Once the location from which you wish to load the settings is displayed, press the EDIT button to load the settings.
If you wish to select the setting to be the default setting that is loaded automatically each time the unit is turned on, save the setting again.

MENU FUNCTION INSTRUCTIONS

Restoring Dactory Default Settings:
In case of a malfunction or a mistake in parameter setting or saving, or if you want to restore the unit to the factory default settings, press the MUSIC VOL button in standby status until DATA RECOVERING is displayed. After a few moments, the factory settings will be restored and the display will return to normal.

Locking Data to Prevent Unwanted or Incorrect Changes:
After you have finished setting all of the parameters and saving the data, you can prevent unwanted changes by locking the data. Press the EDIT button until the PANEL LOCK interface is displayed. Choose the LOCK LEVEL you want and and press EDIT again. Press and hold EDIT to unlock.

Level 1 Lock:
When LEVEL 1 has been chosen, only the EFF VOL, MIC VOL and MUSIC VOL can be adjusted. The PC Software remains operational.

Level 2 Lock:
When Level 2 LOCK has been chosen, the panel and the buttons are deactivated and no changes can be made using the PC Software.

Unlocking the Device:
To unlock the device, press any button on the device and follow the prompts to unlock the device using the password.

Password Protection:
You can set the panel lock in the system menu. The initial password is “1111”. Choose PASSWORD RESET in the menu and enter a new password.

SOFTWARE OPERATION AND APPLICATION

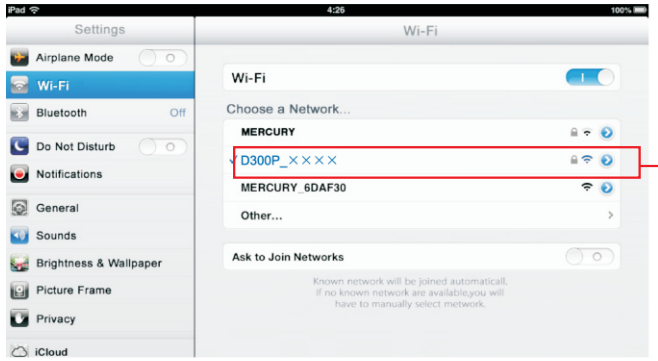
PC Software Installation and Operation
1. After connecting the unit to the speakers, microphones and source components, and the mains power, turn the unit on using the power switch.
2. The unit can be operated using the panel buttons and the display or through an external device connected via USB or WiFi. When the unit is connected to an external device, the panel buttons and display are inoperative.
3. WiFi range is limited to a distance of about 10 meters. The surrounding environment may affect the WiFi range.

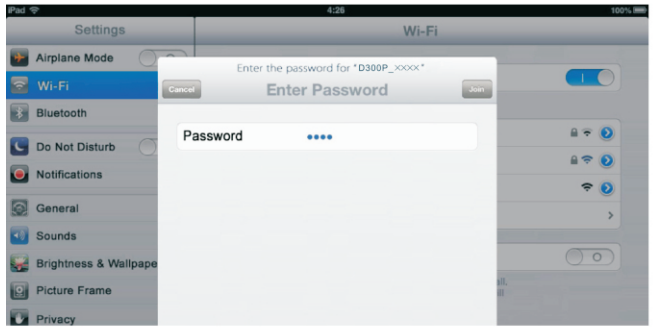
Downloading the Software
1. The PC software can be downloaded at www.Audiofrog.com
2. Software for Apple devices can be found in the App Store. Scan the QR code below to download the app directly:

3. Every D300P unit has a unique machine code printed on the back panel. The machine’s name is the model number plus the last four digits of the unique machine code: D300P_****

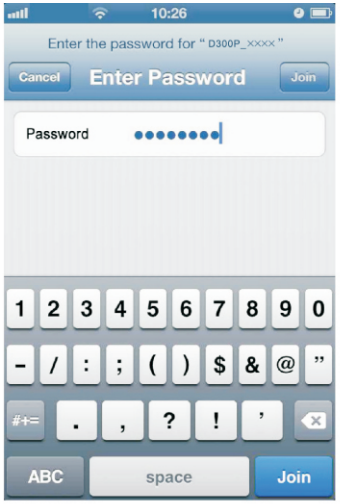
1. Turn the unit on.
2. In the device you wish to connect (PC or iOS device), open the list of wireless devices and search select your D300P unit using its unique machine name: D300P_****
3. Input the password to connect to the D300P. The factory default password is “12345678”.

Connecting an iPad:



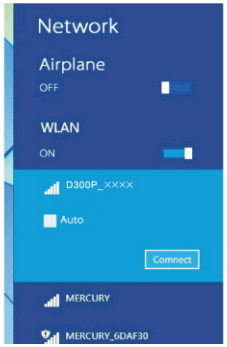


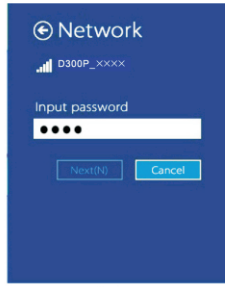
Connecting an iPhone:



Connecting a PC:

P1





P3

Editing Parameters Using an External Device

Parameters and settings can be changed using a PC or an iOS device like an iPhone or iPad. Because the iPhone screen is small, the settings panel for the phone is an abbreviated version of the panel available when using an iPad or a PC.

IPhone editing interface:

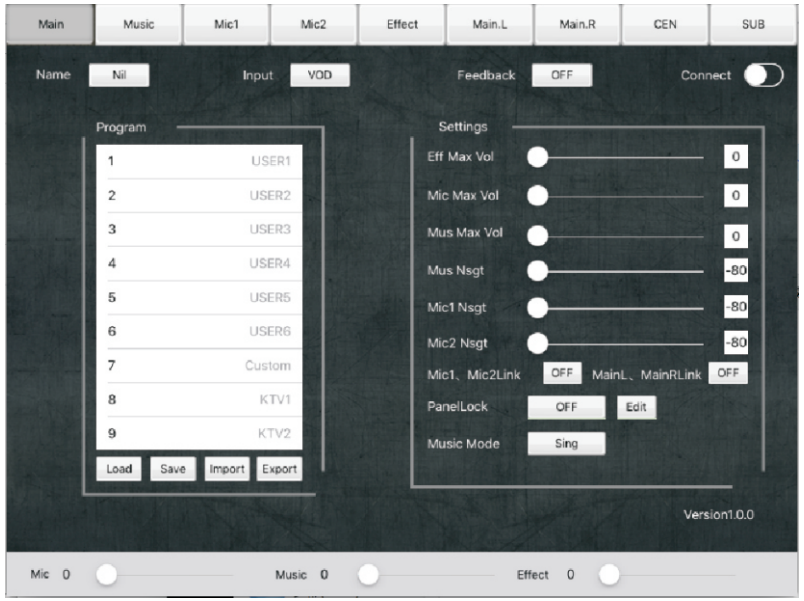
The settings panels in the iPhone interface include a Home Page in which level controls and mode selection switches are available, an Effects Page in which basic effects settings are available and a Settings interface in which maximum volume settings are available along with some additional global settings.

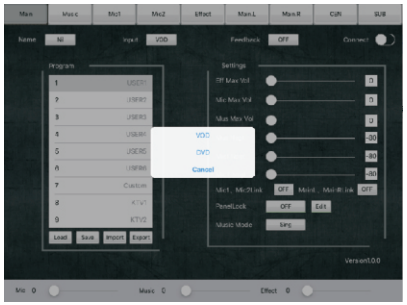
While the iPhone software provides a convenient way to switch between presets and adjust levels, the iPad software, the PC software or the front panel interface are recommended for initial device setup and tuning of the audio system.

iPad Editing Interface:

The larger screen available on the iPad affords more space for a more complete set of controls and settings.

The main screen includes settings for basic functions and separate tabs along the top for gaining access to more detailed settings.



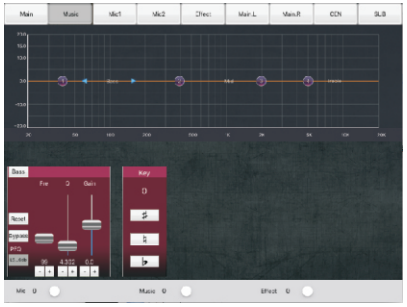


Press the Input button to open a list of input choices.

Press the Feedback button to open a list of feedback elimination settings.

iPad Software:

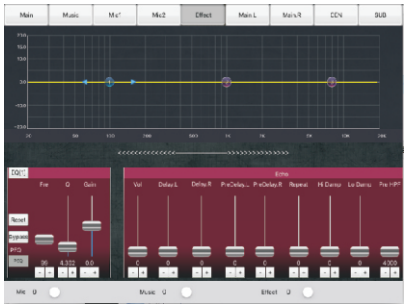
Independent parametric equalization is provided for speaker output channel, (Main Left and Main Right), preamp outputs (Center and Sub), for each of the inputs and for the effects. Press the corresponding tab at the top for access to each. Control the EQ using the sliders at the bottom of by manipulating the graph directly.



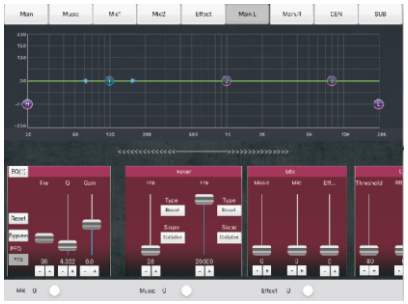
Music:
7-band parametric EQ and Key control.

MIC 1:
10-band parametric EQ, cross-over, channel gain and compression.

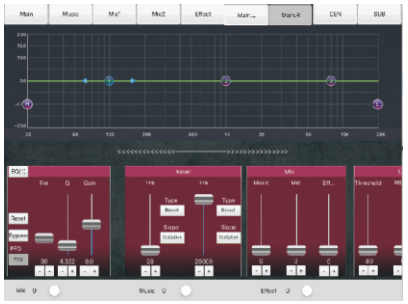
MIC 2:
10- band parametric EQ, cross-over, channel gain and compression.



Effect:
3-band parametric EQ, Echo, Reverb and Direct.



Main Left:
3-band parametric EQ, cross-over, mixer, limiter, polarity and gain (level)

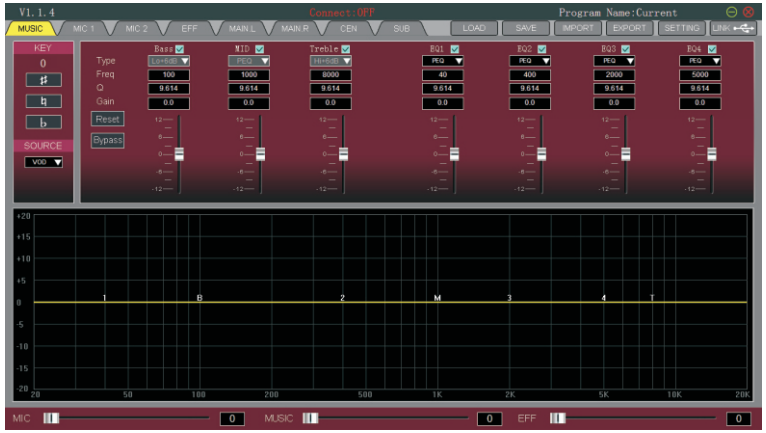


Main Right:
3-band parametric EQ, cross-over, mixer, limiter, polarity and gain (level)

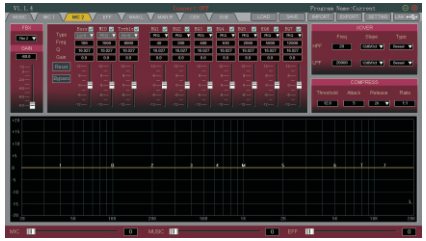
Center:
3-band parametric EQ, crossover, limiter, polarity and gain.

Sub:
3-band parametric EQ, crossover, polarity and gain.

PC Software:
The PC software offers control layout similar to the iPad. Manipulate the settings using the sliders and text boxes at the top or by manipulating the graph at the bottom directly. Available settings are the same as for the iPad.

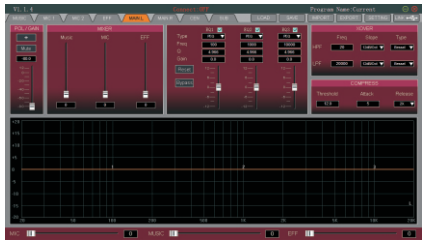


PC Software Interface:

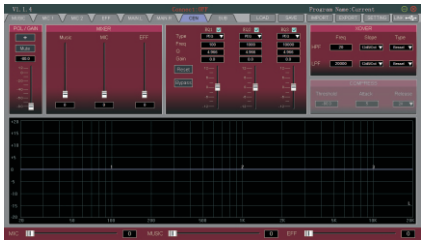


Mic 1 and Mic 2

Effect



Main L and Main R



Center

Sub

REMOTE CONTROL (OPTIONAL)

Remote Control Keys and Functions

1. Signal Light:
   Indicates remote control transmission.

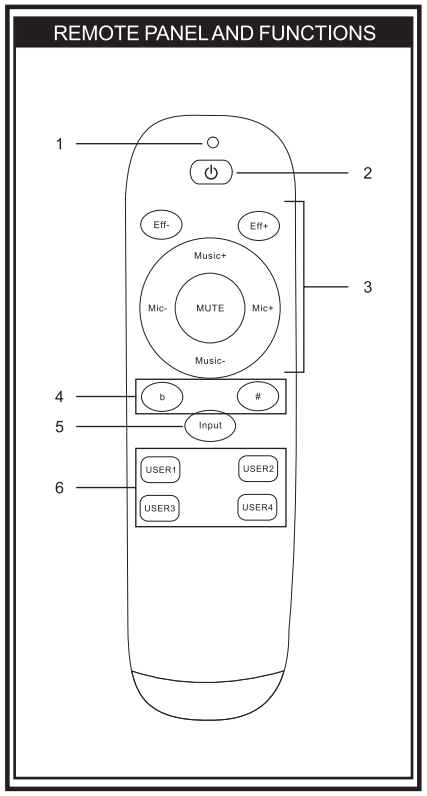
2. Power:
   Turns the unit on and off.

3. Volume Control
   Increases and decreases the output level of various functions: Effects, Microphones, and music.

4. Music Key Control:
   Adjusts the music key (b: Flat, #: sharp). Pressing the b button will cause the output to be adjusted to a lower key. Pressing the # button will cause the output to be adjusted to a higher key.

5. Input Select:
   Selects the input for playback

6. User1-User4:
   Recalls the parameters stored in User 1,2, 3 and 4 memory locations



SPECIFICATIONS

Items	Parameters		Test
Output Power	Main (L/R)	300W 2/8Ω	
S/N (dB)	MIC	75dB	Input 1KHz 0dB
	Music	90dB	
THD	MIC	0.3%	Input 1KHz 0dB
	Music	0.2%	
Sensitivity	MIC	35mv	
	Music	350mv	
Input Impedance	MIC	10K unbalanced	
	Music	47K unbalanced	
Frequency Response		20Hz-20kHz(±0.5dB, 1kHz)	
Feedback Elimination		5 levels	
Crosstalk		70dB/1kHz	
Professional Mode	MIC	PEQ+Xover+Feedback+Compressor	
	Music	PEQ+Key controls	
	Effect	PEQ+Direct+Echo+Reverb	
Gross Weight		16.8KG	
Package Dimensions(W*H*D)		615 595 145mm	

Audiofrog may upgrade or update the features, performance and specifications of this device and it's attendant software without notice.

STANDARD PACKAGE		
NO.	NAME	QUANTITY
1	DEVICE	1PCS
2	USER MANUAL	1PCS

TROUBLESHOOTING

If your D300P malfunctions, please check the troubleshooting chart below for possible solutions before taking your unit to a qualified service professional.

Failure	Reason	Solution
Output and screen doesn't work.	☒ Power socket has no power.	☑ Repair the power supply system.
	☒ Power plug is not in.	☑ Connect the power plug correctly, and make sure it is connected well.
	☒ Overload protection	☑ Pull out power plug and change the same type of fuse.
Output works but the screen doesn't work.	☒ Signal wires don't connect well.	☑ Connect signal wires well according to this user manual.
	☒ Main volume is turned down.	☑ Adjust the volume.
	☒ Signal wires don't connect correctly.	☑ Connect input correctly.
	☒ There is no output signal.	☑ Check the sound input system.
Only one output works.	☒ Signal wires don't connect well.	☑ Connect signal wires well according to this user manual.
	☒ Balanced potentiometer is to the extreme.	☑ Adjust the balance potentiometer to the middle.
	☒ Signal wires don't connect correctly.	☑ Connect signal wires correctly.
	☒ Signal wires doesn't work.	☑ Check if the signal wires are open circuit.
There is no sound in the MIC or the sound is so low.	☒ MIC hasn't been turned on.	☑ Turn on the MIC.
	☒ MIC hasn't been plugged in completely.	☑ Plug in the MIC completely.
	☒ MIC volume has been turn down.	☑ Adjust the MIC volume to the reasonable level.
	☒ MIC doesn't work.	☑ Change the MIC.
Feedback happens or there is a lot of noise.	☒ MIC is too near to the loudspeaker.	☑ Keep the MIC far away from the loudspeaker.
	☒ MIC volume is too high.	☑ Adjust the MIC volume to the reasonable level.
	☒ MIC index is not the right one.	☑ Change the MIC of the same index.
	☒ MIC hasn't been plugged in completely.	☑ Plug in the MIC completely.

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