

BUDDA®

Twinmaster™

112 COMBO

BUDDA AMPLIFIERS & CABINETS ARE DESIGNED AND BUILT IN THE U.S.A.



Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.




CAUTION: Risk of electrical shock — DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus. Before using this apparatus, read the operating guide for further warnings.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electrical products, basic cautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding plug. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
11. Only use attachments/accessories provided by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Never break off the ground pin. Write for our free booklet “Shock Hazard and Grounding.” Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
16. If this product is to be mounted in an equipment rack, rear support should be provided.
17. Note for UK only: If the colors of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows: a) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, colored green or colored green and yellow. b) The wire that is colored blue must be connected to the terminal that is marked with the letter N or the color black. c) The wire that is colored brown must be connected to the terminal that is marked with the letter L or the color red.
18. This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
19. The on/off switch in this unit does not break both sides of the primary mains. Hazardous energy can be present inside the chassis when the on/off switch is in the off position. The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
20. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government’s Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:



Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Earplugs or protectors to the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss, if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS!

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
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Twinmaster™

112 COMBO



Budda® Twinmaster Guitar Amplifier

Thank you for purchasing the finest tube amplifier in the business. We appreciate your support and look forward to providing you with years of trouble-free service.

Before we get into the features of your amplifier, we would like to note that tube amplifiers require a little bit of care and maintenance to ensure many years of service. We would like to share the most important tips with you right here:

When you first turn on your amplifier, remember to leave it on Rest for at least 30 seconds before turning it to Go. This will give the tubes time to warm up and will extend tube life.



Front Panel Functions: What they do and how to use them

SUGGESTED OPERATING SETTINGS:

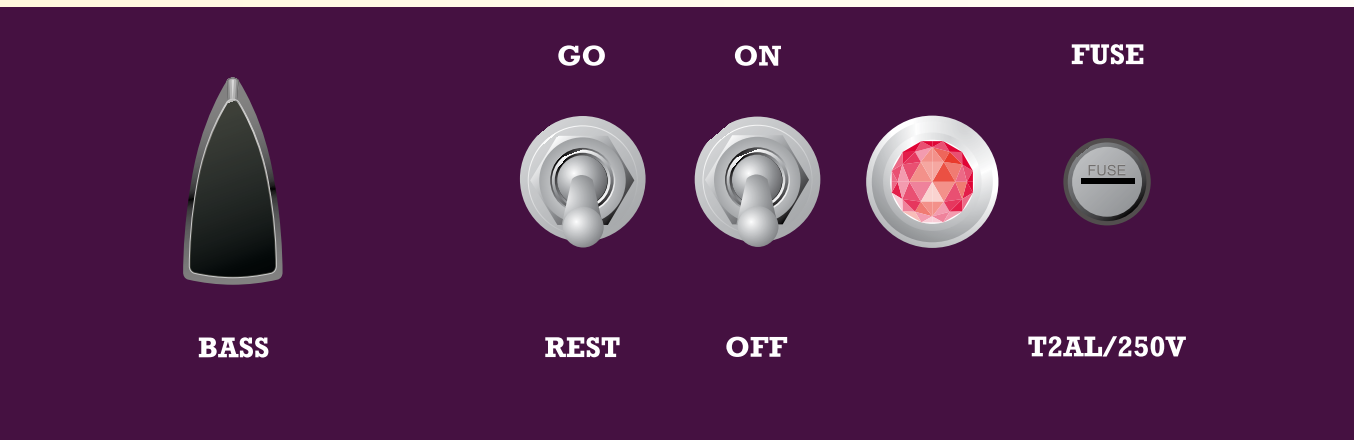
Hi Gain/Normal Inputs: There are two inputs that access different gain structures from the TwinMaster. This particular design circuit is a cascade front end drive circuit, therefore you can only access one input at a time. The Normal input has slightly diminished gain and has a tone reminiscent of early American amplifiers. Sweet and smooth, this input is great for power chords, rhythm and slide. The Hi Gain input is designed for maximum distortion and is reminiscent of a hybrid between two classic British amplifiers.

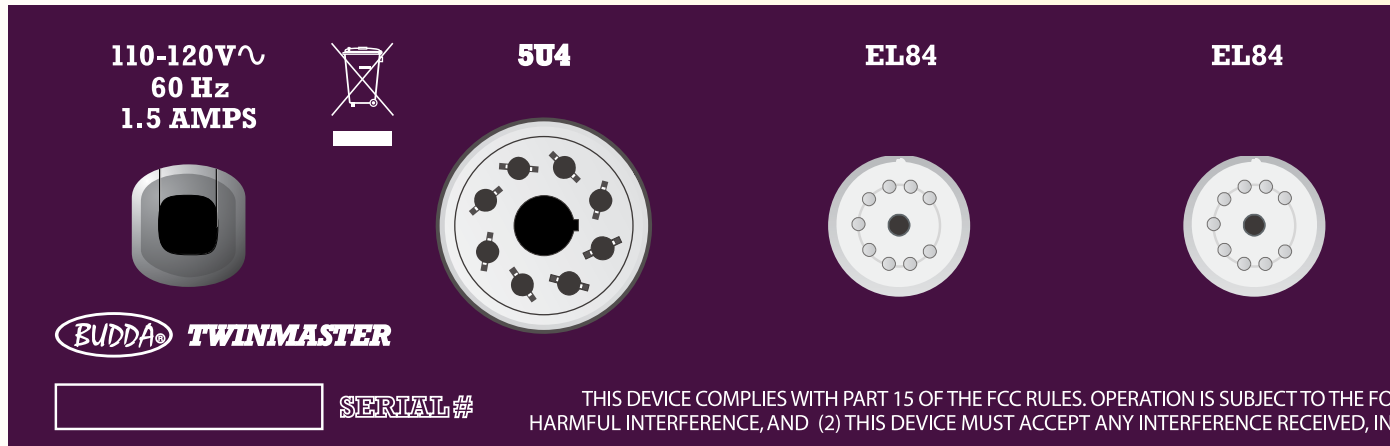
Bass & Treble Controls: Single coils or humbuckers, 2x12's or 4x12's, you will find the treble control likes to sit between 12 o'clock and 4 o'clock and the bass control between 10 o'clock and 2 o'clock. There are no rules when finding your tone!

Volume: This controls the amount of gain for both inputs of the amp. Start by setting this control at around 12 o'clock. Feel the power section start to work with a lot of headroom and punch behind your rhythm chords. As you turn the control clockwise you will add gain to your signal for great crunch tones. Fully clockwise offers great crunch and lead tones. Rolling of the volume of your guitars volume pot off between 5 and 7 will clean up the signal without muddying up the tone of your amp. The amp is equipped with capacitors to maximize the clarity and brightness of your signal as you roll off your guitars volume pot. As you turn up the volume incrementally on your guitar, you can essentially go from rhythm, to crunch, to lead drive. This works on both inputs of the amplifier and is considered the "purist" form of channel switching.

Check to make sure that the Impedance switch on the rear panel is set to the correct impedance (4, or 8 ohms) for your cabinet. Improper loading may cause excess tube and transformer wear and eventual failure. Use high-quality speaker cables to ensure maximum performance. For tube-related problems, please see the troubleshooting section on page 7 of this manual.

All Superdrive chassis are fabricated from aluminum, which helps to reduce weight along with our custom pine cabinets. Low weight is a significant benefit for all players who gig, as well as keeping your tech and crew happy. Aluminum is also a great conductor of heat. It may feel warmer to the touch than a traditional steel chassis, but there's no need to worry.





Rear Panel Functions: What they do and how to use them

Effects Loop: This is where you introduce effects into the signal path of your amplifier. To hook up an effect to your amp, take a 1/4" shielded mono cable and run the send of the amp to the input of the effect and run the output of the effect into the return on your amp.

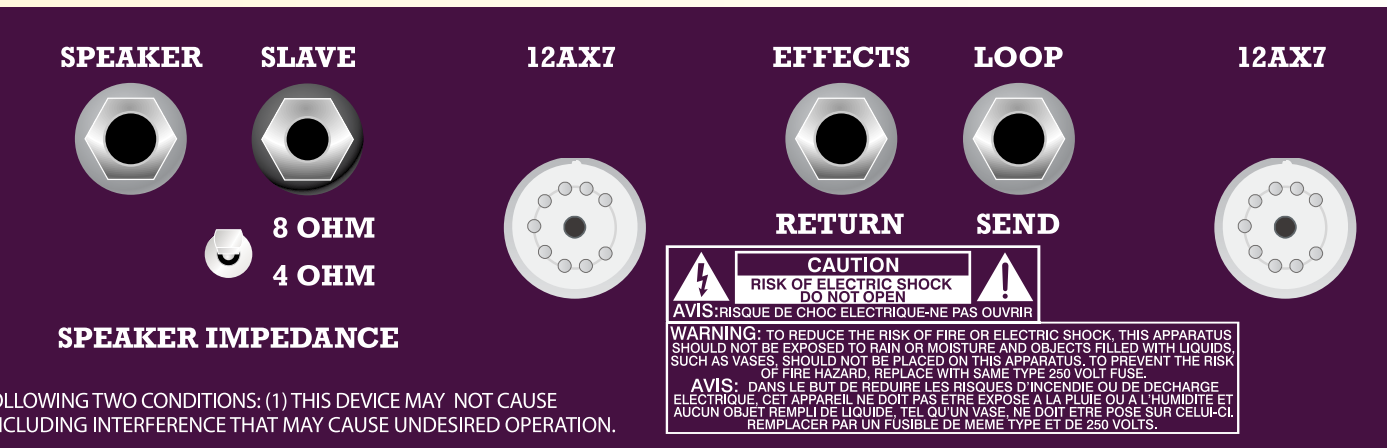
Slave: The slave out is an identical replication of the signal coming off the speaker outputs of your amp with a padded eq circuit. Feel free to experiment by sending the Slave Out signal to an external stereo power amp feeding a couple of 2x12 or 4x12 extensions for a wall o sound!

Another option is to send the Slave Out signal to a recording console for DI tones to tape, or send it to a board for a signal feed to the mains for live applications in a club or arena. When slaving make sure that there is always a load on the speaker out of your amp.

Impedance: Select the proper impedance to match your speaker load. Our combos and cabinets are normally wired for 8 ohms unless otherwise stated.

Line Cord

For your safety, we have incorporated a three-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the Twinmaster™ without proper grounding facilities, use a suitable adapter with the third wire attached to a known ground. Never remove or break off the ground pin of the plug. Greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.



Trouble Shooting Tips:

Preamp and power tubes may become microphonic and lose power over time. A few of the common symptoms are:

A high-pitched squealing sound when you turn on your amp.

A static sound when your guitar volume is turned down.

A loss of output or a muddy signal.

One simple test to determine whether your amp is experiencing preamp or power tube problems can be performed by plugging your guitar into the effects return of your amp:

If the static or squealing noise continues, then the problem is related to the power tubes or driver tube (third from left) and they should be replaced. If the static noise goes away, then the first or second preamp tube is the culprit and should be changed. Start by replacing the first position tube, farthest to the right looking at the rear of your amp.

We suggest changing power tubes every 6 months for those who play their amp more than an hour per day 3 to 5 times a week.

If you experience any problems other than those already mentioned above, please contact us for a consultation to determine the problem. We offer customer support between the hours of 10 a.m. and 5 p.m. Central Standard. 877-612-8332

Budda® Twinmaster™ Rear Panel and Tube Complement



5u4



6x4



6x4



12ax7



12ax7

BUDDA AMPLIFICATION

LIMITED WARRANTY

EFFECTIVE DATE: AUGUST 1, 2009

What This Warranty Covers

Your Budda Warranty covers defects in material and workmanship in Budda products purchased and serviced in the U.S.A. and Canada.

What This Warranty Does Not Cover

The Warranty does not cover: (1) damage caused by accident, misuse, abuse, improper installation or operation, rental, product modification or neglect; (2) damage occurring during shipment; (3) damage caused by repair or service performed by persons not authorized by Budda; (4) products on which the serial number has been altered, defaced or removed; (5) products not purchased from an Authorized Budda Dealer.

Who This Warranty Protects

This Warranty protects only the original retail purchaser of the product.

How Long This Warranty Lasts

The Warranty begins on the date of purchase by the original retail purchaser. The duration of the Warranty is as follows:

PRODUCT CATEGORY	DURATION
AMPLIFIERS, OTHER THAN TUBES AND SPEAKER COMPONENTS	1 YEAR
TUBES	90 DAYS
SPEAKER COMPONENTS (INCL. SPEAKERS, BASKETS, DRIVERS, DIAPHRAGM REPLACEMENT KITS AND PASSIVE CROSSOVERS)	90 DAYS

What Budda Will Do

We will repair or replace (at Budda's discretion) products covered by warranty at no charge for labor or materials. If the product or component must be shipped to Budda for warranty service, the consumer must pay initial shipping charges. If the repairs are covered by warranty, Budda will pay the return shipping charges.

How To Get Warranty Service

- (1) Take the defective item and your sales receipt or other proof of date of purchase to your Authorized Budda Dealer or Authorized Budda Service Center.
- (2) Call Budda Service at (877) 612-8332 and obtain clearance to mail your amplifier to Budda.

Limitation of Implied Warranties

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

If you live in a state that does not allow limitations on how long an implied warranty lasts, the above limitation may not apply to you.

Exclusion of Damages

BUDDA'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AT BUDDA'S OPTION. IF WE ELECT TO REPLACE THE PRODUCT, THE REPLACEMENT MAY BE A RECONDITIONED UNIT. BUDDA SHALL NOT BE LIABLE FOR DAMAGES BASED ON INCONVENIENCE, LOSS OF USE, LOST PROFITS, LOST SAVINGS, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE, OR ANY OTHER DAMAGES WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, EVEN IF BUDDA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

If you live in a state that does not allow the exclusion or limitation of incidental or consequential damages, the above exclusion or limitation may not apply to you.

If you have any questions about this warranty or service received or if you need assistance in locating an Authorized Service Center, contact the Budda International Service Center at (877) 612-8332.

Warranty conditions subject to change without notice.



Logo referenced in Directive 2002/96/EC Annex IV (OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and is applied only to equipment manufactured after 13 August 2005



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Features and specifications are subject to change without notice
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Budda Amplification Warranty Card

Give us some information and put your warranty into effect!
Please take a few minutes to fill out this warranty card to help us get to know and serve you better.
To save time, submit your warranty registration online at budda.com
click on resources / product registration

Name: _____ Phone: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Product Purchased: _____

Date of Purchase: _____

Serial Number: _____

Purchased From: _____

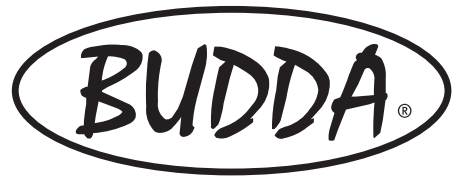
Quality of service where purchased: _____

How did you become aware of Budda? Store Friend Mailer

Ad Web Site

Improvements or suggestions of Budda products: _____

For customer service please call: Toll Free (877) 612-8332.
M-F, 8-5 p.m. Central time or email us at:
sales@budda.com



Thank you for taking the time to fill out our survey! Don't forget to fold and tape
(with Budda address facing out), affix postage stamp and drop in the mail!



Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005

FROM:

Budda Amplification
412 Hwy. 11/80 East
Meridian, MS 39301



Place
Postage
Here