

Laney

TFX

TFX200

TFX300

TFX320

TFX700

USER MANUAL



Intended to alert the user to the presence of uninstalled "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 electrical shock, do not remove cover. No user servicable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

This apparatus must be earthed. The wires in these mains are coloured in accordance with the following code.

Green & Yellow Earth

Blue Neutral

Brown Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: - The wire which is coloured GREEN & YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or Green and yellow. The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. If a 13 amp (BS1363) plug is used a 13-amp fuse must be fitted, or if any other type of plug is used a 15 amps fuse must be fitted either in the plug or adapter or at the distribution board.

EMC warning

It is inherent in the design of a loudspeaker and in the design of guitar pickups that they should emit or be affected by electro magnetic fields. Loudspeaker enclosures should not be used less than two meters away from equipment, which is likely to be affected by electro magnetic interference.

Likewise, guitar fitted with electro magnetic pickups should not be used less than two meters away from any source of emissions such as loudspeakers. Emissions from loudspeakers are dependent on the frequency characteristics of the drive unit. Levels were measured direct from the driver of 30 dBuV. These levels are reduced to a safe level at a distance of 1,27 meters from the drivers.

Introduction

Congratulations on your decision to purchase a new Laney TFX amplifier.

Laney products are designed with ease of operation as a primary objective, however to ensure you derive the best from your new amplifier, it is important you take time to read this user manual and to familiarise yourself with the control functions and facilities available

Before switching on

After unpacking your amplifier check that it is factory fitted with a three pin 'grounded' (or earthed) plug. Before plugging into the power supply ensure you are connecting to a grounded earth outlet.

If you should wish to change the factory fitted plug yourself, ensure that the wiring convention applicable to the country where the amplifier is to be used is strictly conformed to. As an example in the United Kingdom the cable colour code for connections are as follows:

EARTH OR GROUND - GREEN/YELLOW
NEUTRAL - BLUE
LIVE - BROWN

This manual has been written for easy access of information. The front and rear panels of each unit are graphically illustrated, with each control and feature numbered. For a description of the function of each control feature, simply check the number with the explanations adjacent to each panel.

Your Laney TFX amplifier has undergone a thorough two stage, pre-delivery inspection, involving actual play testing, as well as tube burn-in. Tubes are the one of the most important component in your Laney TFX amp. A tube has a life-span of approximately two years. After this approximate length of time a tube may begin to wear out, at which point it should be replaced. If you are unfamiliar with tube replacement, this is best carried out by a qualified service engineer.

When you first receive your Laney TFX amp, follow these simple procedures:

1. Ensure that the amplifier is set at the correct voltage for the country within which it is to be used.
2. Ensure that the speaker is connected to the appropriate socket.
3. Connect your instrument with a high quality shielded instrument cable. Use of cheap cables will compromise both the sound of your instrument and your amplifier.

If there is a problem with your Laney TFX...

DON'T



DO



PHONE YOUR DEALER!

Care of your Laney amplifier will prolong it's life...and yours! If you follow these guidelines your equipment will give you years of playing pleasure.

TFX quick start reference.

There are indepth explanations of all the TFX features in this accompanying manual but for those of you who want to plug and play we have included some reccomended setting for you to experiment with.

One thing to remember if you are going to start playing straight away is that the position of the EFFECTS LEVEL control is stored every time the effects level pot is moved and comes to rest. When a new effect is selected the effects level recalled is the level that was stored the last time that particular effects program was used - i.e. the physical position of the EFFECT LEVEL control may not represent the effects level being heard. As soon as the EFFECTS LEVEL control is activated and comes to rest the new effects level is set by the physical position of the EFFECTS LEVEL control and stored istantaneously.

Setting up your TFX sounds

A TFX amplifier functions in exactly the same way as any Laney guitar amplifier but with the added flexibility of allowing the player to select any one of the DSP's 8 available programs per channel, set the desired effects level and automatically store the settings for later recall. Each effects program on each channel has an individual effects level which is stored and recalled every time the effect is selected allowing you to move seamlessly from one effect to another and from channel to channel.

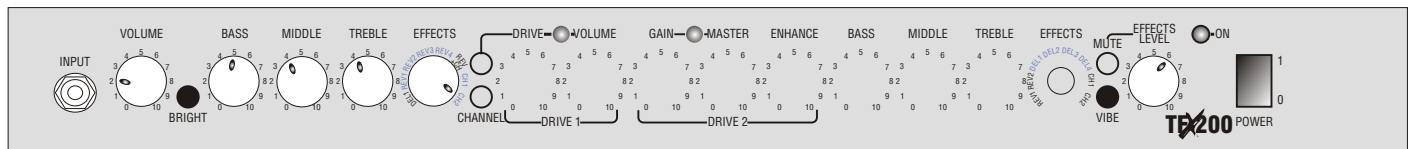
Setting up your TFX amplifier

Connect your TFX to the main power supply using the correct plug type for your country.

Connect your instrument using a high quality instrument cable to the input socket on the front panel.

Using only to front panel features (do not connect any footswitches) configure the amplifier as follow:-

CLEAN TONE



Select channel 1

○ = NOT SELECTED
● = SELECTED

Set the volume at 2

Select bright switch as required

Set Bass control at 5

Set Middle control at 4

Set Treble control at 4

Set CHANNEL A effects selector to CH2 setting

Set the EFFECTS LEVEL control at 6

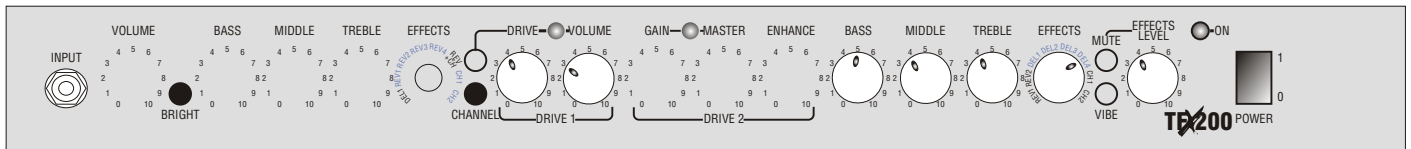
Make sure the MUTE button is not selected

You should now have a nice round clean tone with a Fast Chorus effect. The EFFECT LEVEL can be varied to taste and the new setting is automatically stored once the pot is stationary.

To select a different effects program for channel A simply turn the EFFECTS selector to a different effect, lets say REV4 - select the desired effect level using the EFFECTS LEVEL control and you now have a clean sound with a Spring Reverb (3.4 second) effect.

Changing the EFFECTS LEVEL from one effect to another is NON DESTRUCTIVE to the EFFECTS LEVEL of the previously selected effect. Simply turn the EFFECTS control from REV4 back to CH2 and your sound will revert back to a clean tone with a CH2 Fast Chorus - at the EFFECTS LEVEL you previously selected.

CRUNCH TONE



Select channel Drive 1 using control (8)

○ = NOT SELECTED
● = SELECTED

Set the Drive at 4
Set the volume at 3
Select bright switch as required
Set Bass control at 5
Set Middle control at 4
Set Treble control at 4

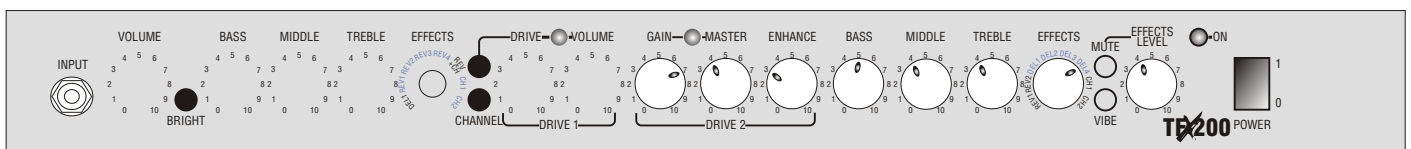
Set CHANNEL DRIVE 1 (17) effects selector to DEL 4 setting
Set the EFFECTS LEVEL control at 4
Make sure the MUTE button is not selected

You should now have a great crunch tone with a 400ms Regenerative delay. The EFFECT LEVEL can be varied to taste and the new setting is automatically stored once the pot is stationary.

To select a different effects program for channel Drive 1 simply turn the EFFECTS selector (17) to a different effect, lets say REV2 - select the desired effect level using the EFFECTS LEVEL control and you now have a clean sound with a Concert Delay (2.4 seconds) effect.

Changing the EFFECTS LEVEL from one effect to another is NON DESTRUCTIVE to the EFFECTS LEVEL of the previously selected effect. Simply turn the EFFECTS control from REV2 back to DEL1 and your sound will revert back to your crunch tone with a DEL4 400ms Regenerative Delay at the EFFECTS LEVEL you previously selected.

LEAD TONE



Select channel Drive 2 using control (20)

○ = NOT SELECTED
● = SELECTED

Set the Gain at 7
Set the Master at 4
Select bright switch as required
Set Bass control at 5
Set Middle control at 4
Set Treble control at 4

Set CHANNEL DRIVE 1 (17) effects selector to DEL 4 setting
Set the EFFECTS LEVEL control at 4
Make sure the MUTE button is not selected

You should now have a great lead tone with a 400ms Regenerative delay. The EFFECT LEVEL can be varied to taste and the new setting is automatically stored once the pot is stationary.

To select a different effects program for channel Drive 2 simply turn the EFFECTS selector to a different effect, lets say REV2 - select the desired effect level using the EFFECTS LEVEL control and you now have a clean sound with a Concert Delay (2.4 seconds) effect.

Changing the EFFECTS LEVEL from one effect to another is NON DESTRUCTIVE to the EFFECTS LEVEL of the previously selected effect. Simply turn the EFFECTS control from REV2 back to DEL1 and your sound will revert back to your lead tone with a DEL4 400mS Regenerative Delay at the EFFECTS LEVEL you previously selected.

TFX DSP Programs

Each channel on a TFX amplifier has a set of dedicated DSP effects.

Channel A has 8 different programs geared towards cleaner tones whilst the two drive channels have 8 DSP programs geared towards crunch and lead sounds.

A listing of each channels DSP features can be seen below.

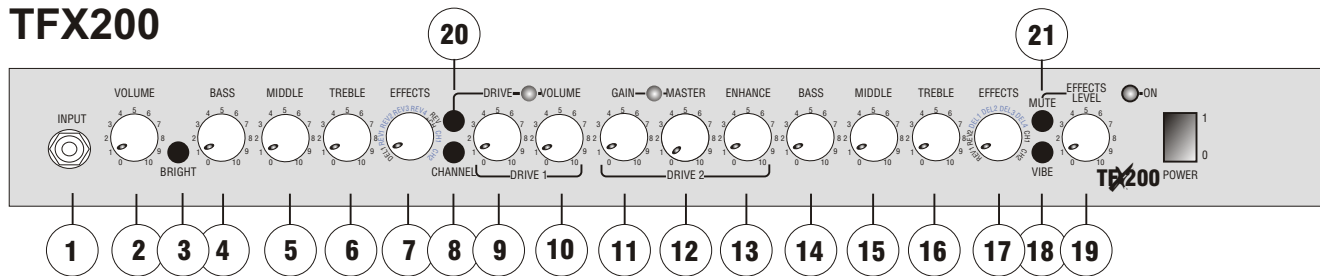
Channel A DSP Programs

DEL1 = 400mS Regenerative Delay
REV1= Garage Reverb (0.8 seconds)
REV2 = Club Reverb (1.8 seconds)
REV3 = Concert Reverb (2.4 seconds)
REV4 = Spring Reverb (3.4 seconds)
REV + CHR = Chorus & Reverb
CH1 = Fast Chorus
CH2 = Slow Chorus

Channel Drive 1 & 2 DSP Programs

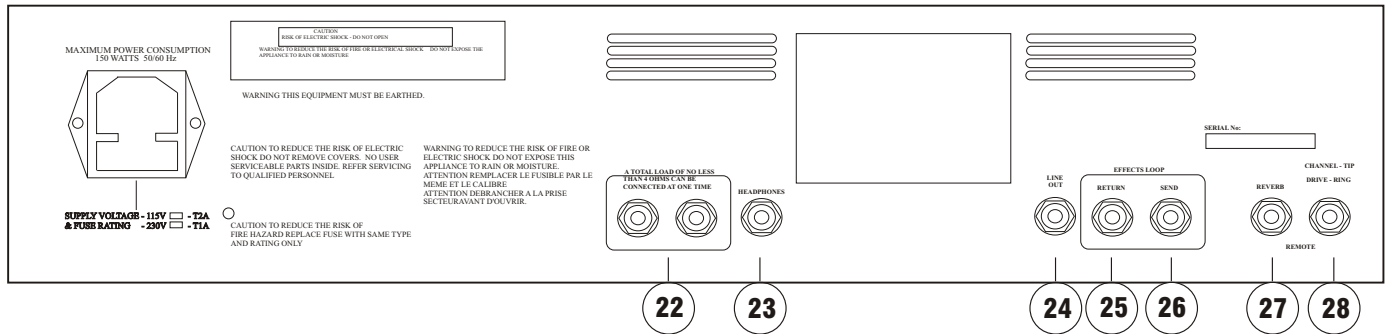
REV1= Spring Delay (3.4 seconds)
REV2 = Concert Delay (2.4 seconds)
DEL1 = 200mS delay
DEL2 = 200mS Regenerative delay
DEL3 = 400mS delay
DEL4 = 400mS Regenerative delay
CH1 = Fast Chorus
CH2 = Slow Chorus

TFX200



- 1 INPUT: This socket should be used for connecting the instrument to the amplifier.
- 2 VOLUME: Adjusts the overall volume of the CLEAN channel.
- 3 BRIGHT SWITCH: Adds brightness and sparkle to the upper frequencies of the clean and clean-drive channel.
- 4 BASS: Controls the clean channel low-frequency-EQ in the pre-amplifier.
- 5 MIDDLE: Controls the clean channel mid-frequency-EQ in the pre-amplifier.
- 6 TREBLE: Controls the clean channel high-frequency-EQ in the pre-amplifier.
- 7 EFFECTS: Selects the type of effect desired for Channel 1. There are 8 different effects geared towards the cleaner sounds. The effects are as follows : - DEL1 - 400 mS Regenerative Delay, Rev1 - Garage Reverb 0.8 seconds, REV2 - Club Reverb (1.8 seconds), REV3 - Concert Reverb (2.4 seconds), REV4 - Spring Reverb (3.4 seconds), CHR+REV - Chorus & Reverb, CH1 - Fast Chorus & CH2 - Slow Chorus. The level of the selected effect is determined by the EFFECTS LEVEL control, see (19) for details.
- 8 CHANNEL SWITCH: Engages the onboard DRIVE 1 circuit. DRIVE 1 is foot-switchable (FS2 footswitch not supplied).
- 9 DRIVE 1: This pot controls the amount of valve-drive applied to the circuit.
- 10 VOLUME: Sets the overall volume-level of the DRIVE channel.
- 11 GAIN: Sets the level of GAIN in the DRIVE 2 channel.
- 12 MASTER: Controls the overall volume of the DRIVE 2 channel.
- 13 ENHANCE: Removes the level of mid-frequencies within the signal, producing a monstrous scooped tone!
- 14 BASS: Controls the drive channel low-frequency-EQ in the pre-amplifier.
- 15 MIDDLE: Controls the drive channel mid-frequency-EQ in the pre-amplifier.
- 16 TREBLE: Controls the drive channel high-frequency-EQ in the pre-amplifier.
- 17 EFFECTS: Selects the type of effect desired for Channel 2 & 3. There are 8 different effects geared towards lead tones. The effects are as follows : - REV1 - Spring Delay (3.4 seconds), REV2 - Concert Delay (2.4 seconds) DEL1 - 200mS Delay, DEL2 - 200mS regenerative Delay, DEL3 - 400mS Regenerative Delay, DEL4 - 400mS Regenerative Delay, CH1 - Fast Chorus & CH2 - Slow Chorus. The level of the selected effect is determined by the EFFECTS LEVEL control, see (19) for details.
- 18 VIBE: Engages the VIBE circuit, this gives the player the sound and feel of a stadium gig.
- 19 EFFECTS LEVEL: The EFFECTS LEVEL control determines the level of the effect selected by the either of the EFFECTS control (7 or 17) The EFFECTS CONTROL operates on the currently selected channel. When a new effects level is selected the TFX amp stores this information away ready for the next time the effect is recalled - even after sitch off. This means that your favourite effects level setting for each effect on each channel are automatically stored for later recall - without the need to worry about battery backup.

TFX300/TFX320/TFX700



- 22 EXTENSION SPEAKER SOCKET: Can be used to connect an external speaker cabinet to the TF50. The cabinet should have an impedance of no less than 4 Ohms.
- 23 HEADPHONE SOCKET: Can be used to connect an pair of stereo headphones for silent practice.
- 24 LINE OUT SOCKET: This socket is provided to supply a line level signal for an external power amplifier or as a feed to an external recording device.
- 25 EFFECTS LOOP A SEND: This socket provides an output from the pre-amplifier for sending to an external effects processor.
- 26 EFFECTS LOOP A RETURN: This socket is provided to accept the output of an effects processor being driven from (31).
- 27 REVERB/EFFETS MUTE SOCKET: Provided for connecting an FS1 (not supplied) for the remote muting of the onboard DSP effets.
- 28 REMOTE FOOTSWITCH: Socket for connecting an FS2 footswitch (not supplied) for switching channel and gain

IMPORTANT SAFETY INSTRUCTIONS

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

1. Read all safety and operating instructions before using this product
2. All safety and operating instructions should be retained for future reference
3. Obey all cautions in the Operating instructions and on the back of the unit
4. All operating instructions should be followed
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built up enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marker on the unit adjacent to the power supply cord.
9. Never break off the ground pin on a power supply cord.
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the chord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp cloth. The vinyl covering used on some units can be cleaned with a damp cloth or ammonia based household cleaner if necessary. Disconnect the unit from the power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through any ventilation holes or openings.
15. A qualified service technician should check the unit if:
 - The power cord has been damaged
 - Anything has fallen or spilled into the unit
 - The unit does not appear to operate correctly
 - The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service the equipment. All service work is done by a qualified service technician.
17. 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 exposure.

Duration Per Day In Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Ear plugs or protectors in 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 exceeds the limits 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

Laney

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In the interest of continued product development BLT Industries Ltd. Reserves the right to amend product specification without prior notification.