

*Deluxe  
90*



**Reference and Owner's Manual  
for the Deluxe 90**

*Fender*<sup>®</sup>



**FENDER**  
**PA**  
BUILT FROM THE SOUND UP™



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Fender Musical Instruments  
7975 North Hayden Road, Scottsdale, Arizona 85258 U.S.A.

## A Message from the Chairman

Since 1946, Fender realized the importance of your amplifier. You see, your amplifier is more than just a combination of dials, wires and speakers. **It is a finely tuned musical instrument.** And like any fine musical instrument, it should be treated with special care and attention to detail.

At Fender, we know what building guitar amplifiers is all about. For over half a century, we have been designing and producing some of the world's best amplifiers, helping shape the face of music. In fact, many of the world's most classic and best sounding amplifiers proudly wear the Fender name.

Whether you are after that classic Fender tone, a clean crisp sound for your Bass or Keyboard or the raw driving power of modern distortion, your decision to purchase a Fender amplifier is one you will appreciate with each passing note for years to come.

Wishing you years of enjoyment and a heartfelt *thank you*,



Bill Schultz  
Chairman of the Board  
Fender Musical Instruments Corporation



## **YOUR DELUXE 90 AMPLIFIER**

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### **90 Watts of Power @ 4Ω**

### **Two Independent Channels with Independent Tone Controls**

### **“More Drive” Feature Provides Harmonically Rich Distortion for Enhanced Leads**

### **Footswitch Jack for Remote On-Off Switching of the Channel / Drive Selection**

### **Spring Reverb**

Congratulations on your purchase of a Fender Deluxe 90 Amplifier. Your new Fender amp is designed by the same Tone-Team that has created many other classic Fender amps like the Tone-Master®, Princeton® Chorus and the versatile Hot Rod Series. Built with care and special attention to detail, your Deluxe 90 offers much more than meets the eye.

The Deluxe 90 Amplifier features 90 watts of power at 4Ω and Classic Fender Reverb for a full-bodied tone. Its two independent channels are voiced for everything from sparkly clean to crunchy overdrive, while the “More Drive” feature offers a harmonically rich distortion. The footswitch circuitry allows for remote selection of the Channel / Drive features.

Designed for the guitarist who prefers the stability of solid state engineering and requires a powerful responsive amplifier, the Deluxe 90 provides genuine Fender tone and dependability with every performance. To ensure maximum reliability from your Deluxe 90, please read through this manual and refer to it as needed. Also, please heed all safety warnings relating to your new Deluxe 90 Amplifier.

Take the time to get to know each other... Tune-up, Plug-in and ... Play On!

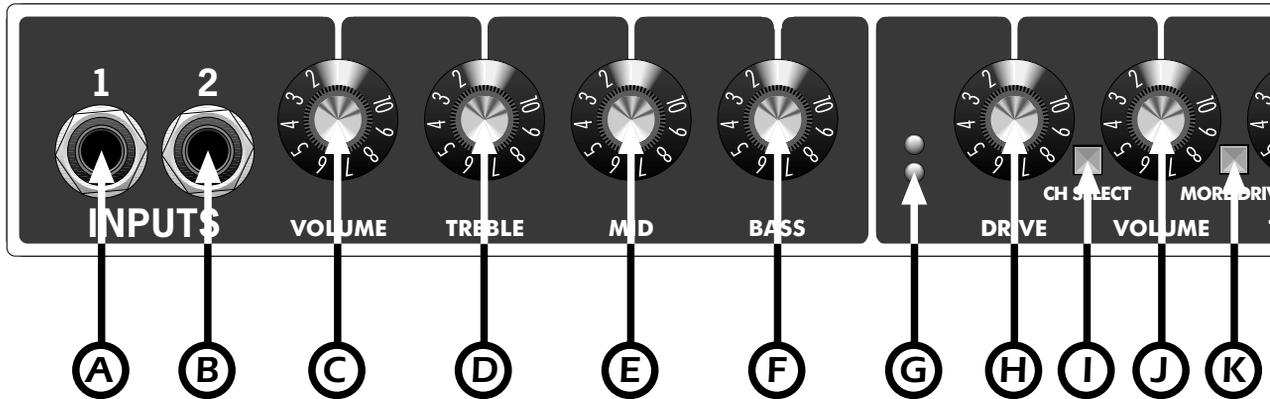
#### **WARNING:**

**-TO PREVENT DAMAGE, FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**

**-NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

**-THIS UNIT MUST BE EARTH GROUNDED.**

## DELUXE 90 FRONT CONTROL PANEL



**A. INPUT 1** - Plug your guitar in here.

**B. INPUT 2** - A lower impedance and sensitivity input than input 1, useful for guitars with active pickups.

**C. VOLUME** - Adjusts the volume level of the normal (clean) channel.

**D. TREBLE** - Adjusts the amount of increase or decrease in the high frequency range of the normal (clean) channel.

**E. MID** - Adjusts the amount of increase or decrease in the middle frequency range of the normal (clean) channel.

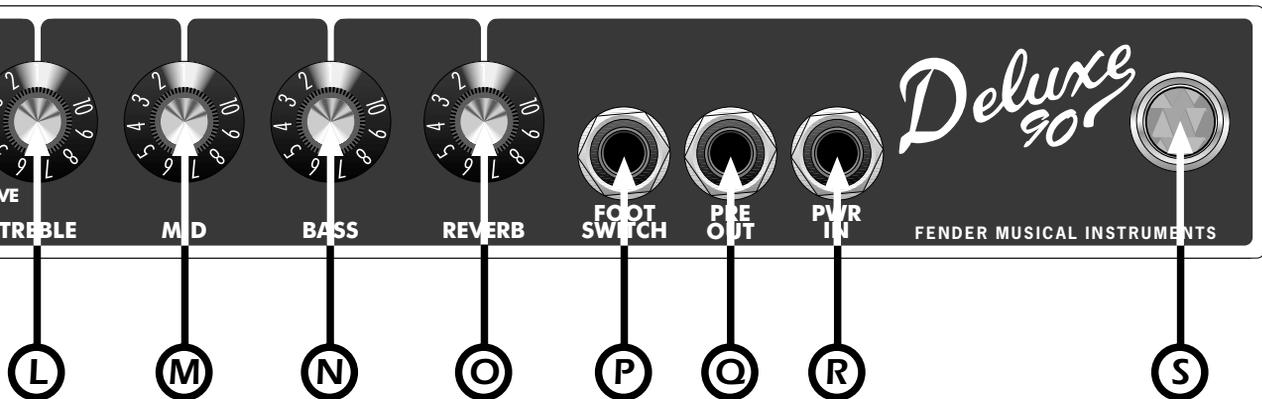
**F. BASS** - Adjusts the amount of increase or decrease in the low frequency range of the normal (clean) channel.

**G. TWO COLOR DRIVE CHANNEL INDICATOR** - When the drive channel is in use, the LED is illuminated. Yellow indicates "Drive", while red indicates "More Drive".

**H. DRIVE** - Adjusts the amount of preamp gain in the drive channel. Turning this control up will increase the amount of gain and overdrive. This control works in conjunction with the VOLUME control to set the overall output loudness while the drive channel is active.

**I. CH SELECT** - When this button is pressed, the amp switches from the normal channel to the drive channel.

**J. VOLUME** - Adjusts the volume level of the drive (distortion) channel.



**K. MORE DRIVE** - When this button is pressed in, drive channel gain is increased.

**L. TREBLE** - Adjusts the amount of increase or decrease in the high frequency range of the drive (distortion) channel.

**M. MID** - Adjusts the amount of increase or decrease in the middle frequency range of the normal drive (distortion) channel.

**N. BASS** - Adjusts the amount of increase or decrease in the low frequency range of the drive (distortion) channel.

**O. REVERB** - Adjusts the amount of reverb present in both the normal and drive channels.

**P. FOOTSWITCH (INCLUDED)** - Plug-in connection for the remote footswitch to select between the normal and drive channels and to select "More Drive". Using the footswitch overrides the front panel select buttons. *NOTE: Any good quality patch cord will work with the remote footswitch, however, a speaker grade cord is preferable to a coax guitar cord.*

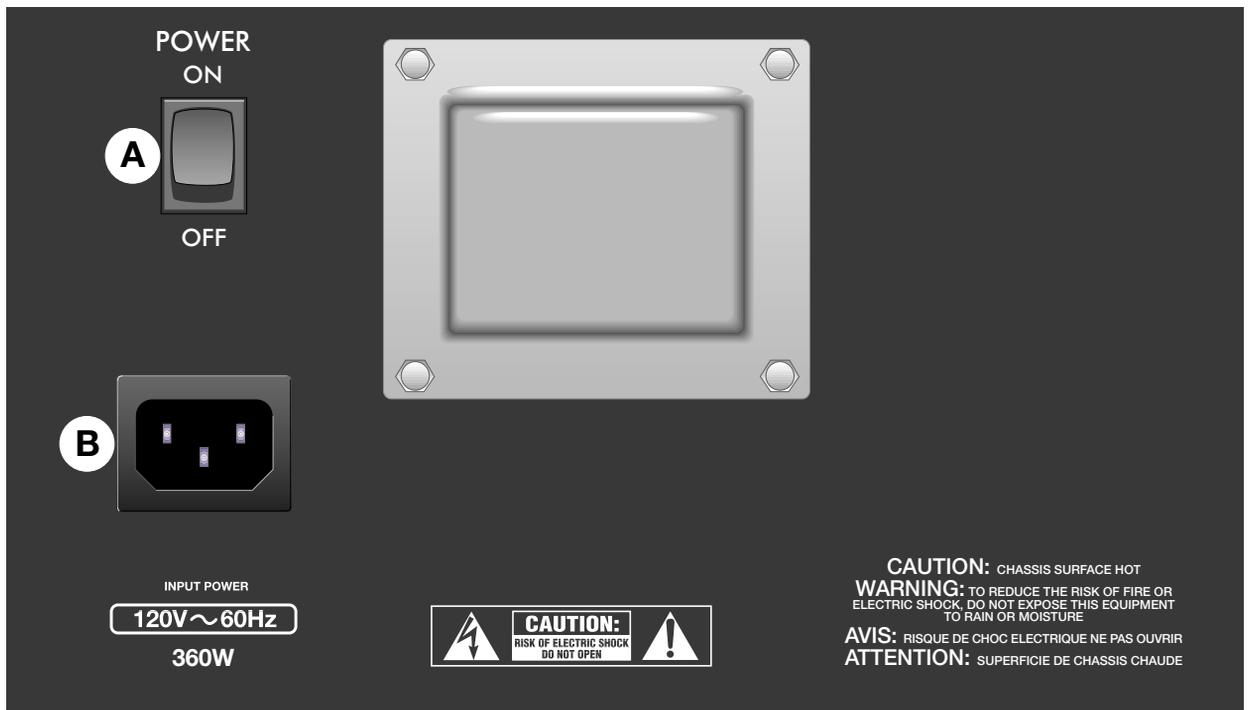
**Q. PRE OUT** - This unbalanced jack provides an output signal from the preamp. It may be used to drive effects units in an effects loop, to drive additional amplifiers in a multi-amp set up, or as a preamp send to a mixing console.

**R. PWR IN** - This unbalanced jack provides a return from your effects units. This jack can also be used as a power amp input.

**S. POWER JEWEL** - This red jewel illuminates when your Deluxe 90 is receiving power.

## DELUXE 90 REAR PANEL

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**A. POWER SWITCH** - Turns the AC power ON and OFF. When the switch is OFF, your Deluxe 90 amplifier is completely shut down.

**B. LINE CORD** - Your Deluxe 90 amplifier is equipped with an IEC grounding type supply cord to reduce the possibility of shock hazard. Be sure to connect it to a grounded AC receptacle. The line cord should be connected to a suitable power source in accordance with voltage and frequency as shown in the power rating on the rear panel. **DO NOT ALTER THE AC CORD OR PLUG.**

## TROUBLESHOOTING

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If the Deluxe 90 is set up but does not function, check the following items:

- Is the power cord properly plugged into an electrical outlet?
- Is there power at the outlet?
- Are the control knobs turned above 1?
- Is the volume control on the instrument turned up?
- Are the control knobs on your external equipment turned above 1?
- Is the power cord on your external equipment properly plugged into an electrical outlet?
- Are any cords cut, frayed or damaged?
- Is the instrument properly plugged into the amplifier?

(Eliminate any effects pedals, external signal processing devices and try using another cord.)

If after checking all of the above your amplifier is still not performing correctly, consult your nearest authorized Fender Service Center.

## COVERING CARE

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Your Deluxe 90 is covered in genuine Tolex for long life and lasting good looks. To clean the Tolex covering, use a sponge and a light soapy water solution. Avoid spilling liquids on the operating surfaces, grill, volume and tone controls, switches and speakers. **REMEMBER TO UNPLUG THE POWER CORD BEFORE CLEANING AND WAIT UNTIL THE UNIT IS COMPLETELY DRY BEFORE PLUGGING IT IN.**

## DELUXE 90 SPECIFICATIONS

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TYPE:	PR 402	
PART NUMBERS:	022-6702-020, (120V, 60Hz), USA 022-6762-020, (230V, 50Hz), Europe 022-6742-020, (230V, 50Hz), UK 022-6732-020, (240V, 50Hz), Aust. 022-6772-020, (100V, 50/60Hz), Japan	
POWER REQUIREMENTS:	360W	
POWER OUTPUT:	90W into 4Ω @ 5% THD	
INPUT IMPEDANCE:	850kΩ (Input 1), 66kΩ (Input 2)	
FUSE:	4A 125V for 100V /120V versions 1.25A 250V for 230V /240V versions	
SPEAKER COMPLEMENT:	One 4Ω Celestion G12T-100 12" Speaker (P/N 054421)	
FOOTSWITCH:	2 Button Footswitch, controls Channel Select & Drive/More Drive (P/N 050419)	
DIMENSIONS	Height: 16.5 in. (42.0 cm) Width: 20.6 in. (52.3 cm) Depth: 9.0 in. (30.5 cm)	
WEIGHT:	33 lbs. (15 kg)	
WARNING:	<b>-NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.</b>  <b>-TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS AMPLIFIER TO RAIN OR MOISTURE.</b>  <b>-THIS UNIT MUST BE EARTH GROUNDED.</b>	

*Product specifications are subject to change without notice.*

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