

AN EE'S INTRODUCTION TO:

ELECTRIC BASS

BY: CALLIE BATTFIELD



UPRIGHT BASS: WHY GO ELECTRIC?

- Ease of Recording
- Tone Modifications
- Volume Modifications



BIRTH OF THE ELECTRIC BASS

One of the first
five P-basses
made by Fender
in 1951

On loan to The
Met



Product image
for the Fender
American
Professional II
Precision Bass

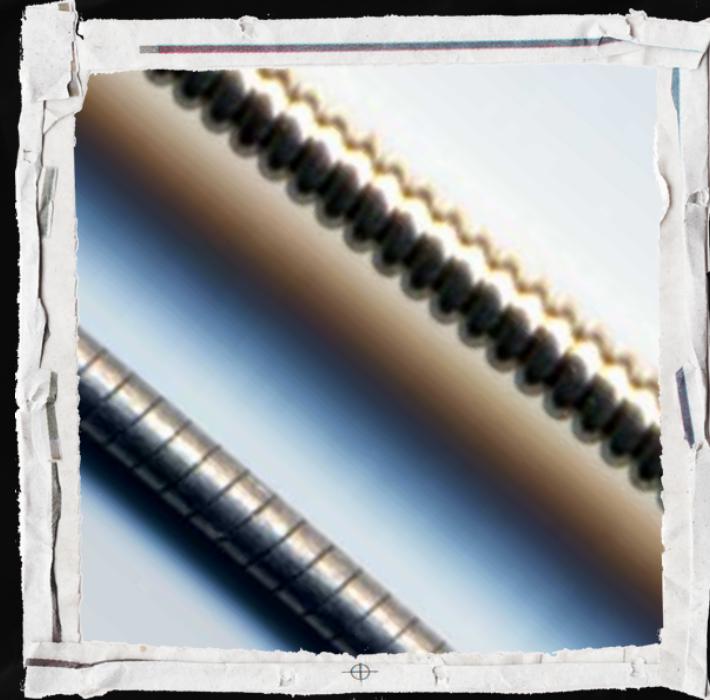
Listed on
Amazon



HOW DO THEY WORK?

PASSIVE ELECTRONICS - FIRST ON THE SCENE

Kinetic Signal
Created



Changed to
Digital



Digital Signal
Modified



Changed to
Kinetic



Strings

- Metal alloy and steel core
- Flat-wound vs Round-wound

Pickups

- EMF “picks up” movement from strings
- Powered by cable

Potentiometers

- Volume & Tone
- Subtractive EQ

Amplifier

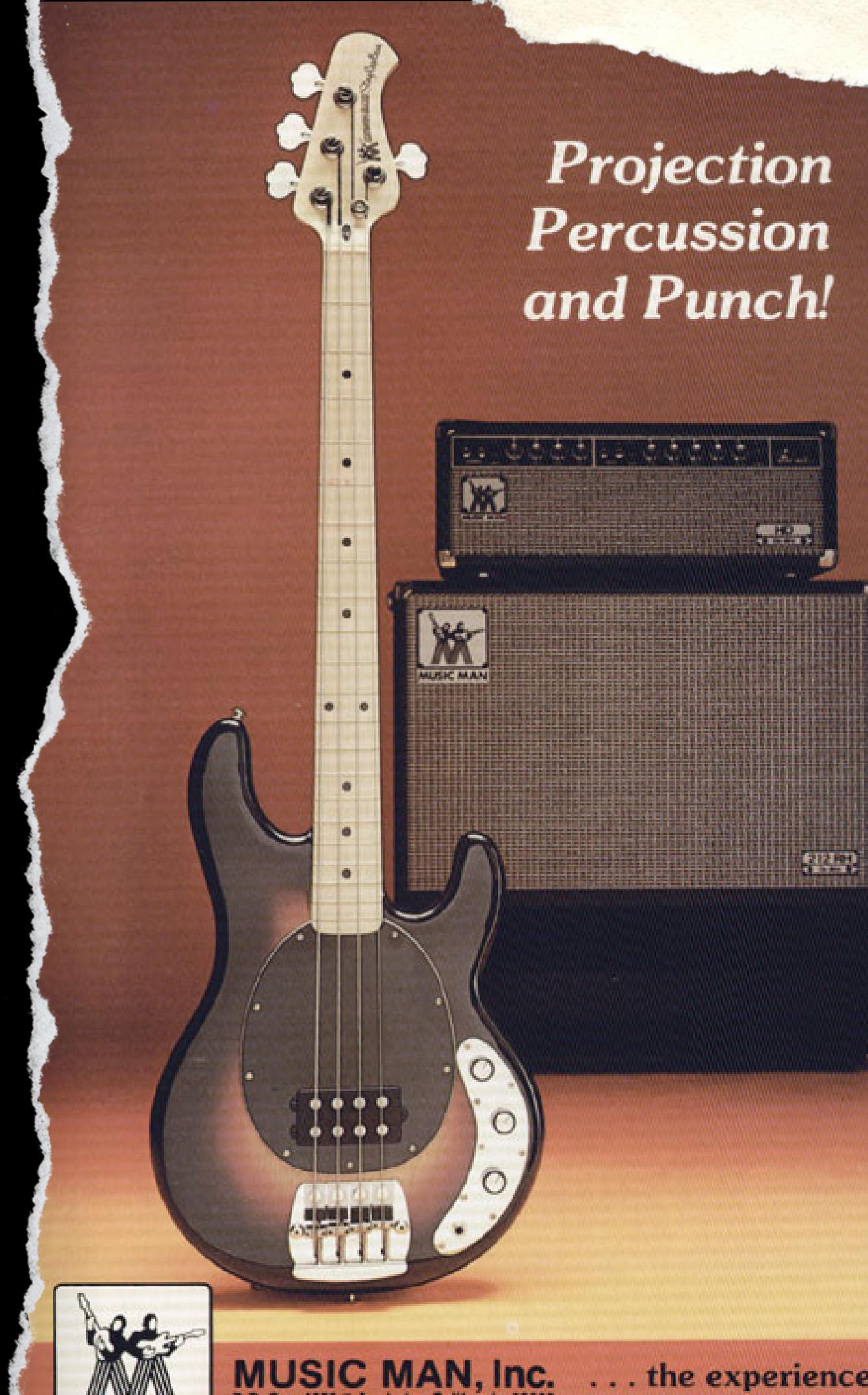
- Pre-amp
- Power-amp
- Speaker



ACTIVE ELECTRONICS: THE “HOT” NEW THING FOR THE 70'S

Fall 2023 - Ernie
Ball Music Man:
Retro '70s
StingRay Bass
Collection
Promo Photo

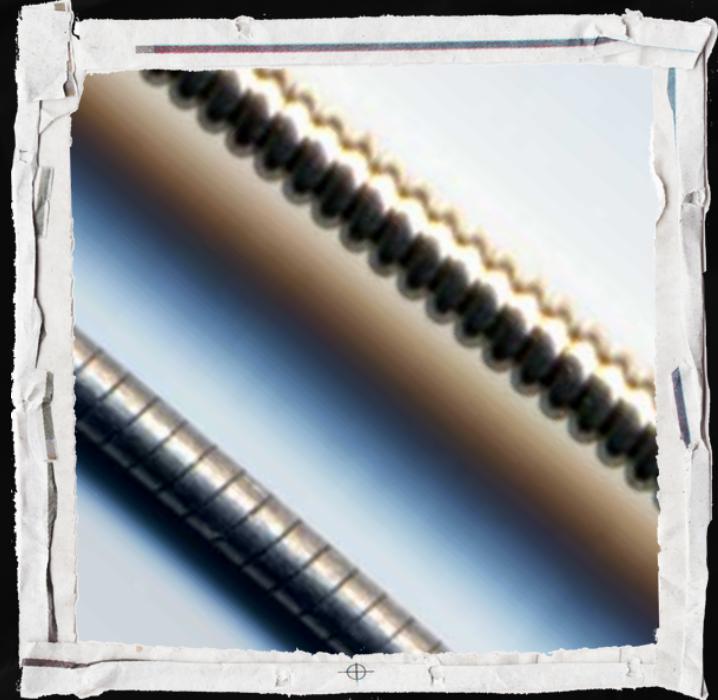
1977 - Guitar
Player advert
featuring a
Music Man
Stingray bass



HOW DO THEY WORK?

ACTIVE ELECTRONICS - HOT NEW THING

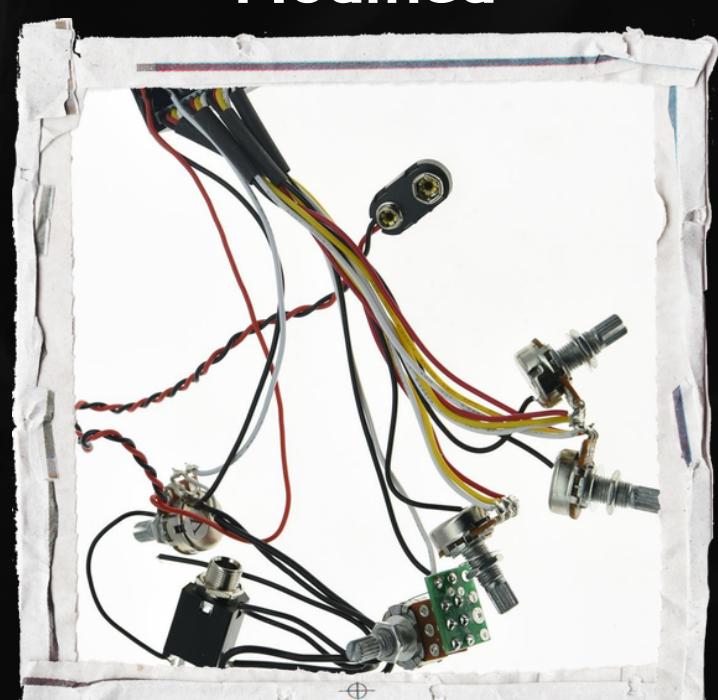
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Strings

- Same as passive

Pickups

- Functions the same as Passive
- Powered by 9V
- Sometimes include built-in preamp

Preamp

- Potentiometers live here
- Additive EQ
- Extra knobs and switches

Amplifier

- Same as passive
- Warning: Don't "push" your amp