



## Frequently Asked Questions



### What cabinets can I hook up to the PF-20T?

The PF-20T will accommodate any cabinet or combination of cabinet as long as the total load equals 4 or 8 ohms. Please see your owner's manual for additional information.

### What tubes are in the PF-20T?

There are two 12AX7 tubes, and two 6V6 tubes.

### Can I swap out the tubes for (insert random thing here)?

Our engineers have worked many long hours and spent many sleepless nights to design an amp that works flawlessly and sounds like an angel's choir in Paradise. The included tubes are EXACTLY the right ones for this amp. But hey, if you think you know better than the people who designed the amp, go right ahead. Also, keep in mind that using non-specified components which may lead to malfunction are not covered by warranty.

### If I replace my tubes, do they need to be matched?

For best results, your power tubes should be a matched pair.

### Do I need to adjust the bias when I change the tubes?

Only if you replace the power tubes. It's a good idea to check your bias from time to time whether your tubes are changed or not.



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Is the bias user-adjustable?

Yes. Please refer to the Owner's Manual for bias-setting instructions.

What if I can't get the bias light to be a solid green only?

You may have a bad tube, or worse! It's a good idea to get your amp checked out by a repair technician at one of our friendly authorized service centers.

The red and purple LEDs are flashing! What does it mean?

This means that your amp is in a Fault condition. Make sure you have good power coming into the amp. If the power is all good, it is a good time to get your amp checked out by a repair technician at one of our friendly authorized service centers.

I'm getting a ground hum out of the XLR output. What gives?

Try using the Ground Lift Switch.

What does the Ground Lift switch do?

When this switch is engaged, it connects the ground connection to help reduce residual hum and buzz sometimes picked up in the signal cables.

How do I hook up more than one cabinet? There's only one jack!

You can daisy chain one cabinet to the next, assuming your cabinets are wired in parallel. All Ampeg cabinets are wired in parallel.



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Can I hook up a 4-ohm cabinet and an 8-ohm cabinet at the same time?

This is not recommended. The resulting impedance would be 2.666 ohms, which is lower than what the output transformer is rated for.

I bought my amp in the United States (substitute your country here). Can I use my amp on tour in Europe (insert different country with different mains voltage here).

No. The PF-20T is specifically wired to work with the mains voltage of the country that it is sold in.

Can I attach the PF-20T to the flip-top lid of my Portaflex cabinets?

Yes! It was designed to do so.

This head is heavier than the other Portaflex heads. Will this cause any warping when mounted to the top of a flip-top Portaflex cabinet?

Warping is more likely to be caused by temperature and humidity changes as with anything made from wood. The current flip-top cabinets are plenty strong enough for this application.

My cabinet didn't come with/ I lost my/ my dog ate my head mounting screws. What size screws do I need to mount my PF-20T to my cabinet?

The screws are size M4 x 40mm.

Can I connect to a mixer without using a load?

Yes! The PF-20T has a built-in load that is activated when no speakers are present. This allows for taking a direct signal to the mixing board. The impedance switch can be in either position.



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Does the PF-20T have an effects loop?

It does not.

Where in the circuit is the Pre-EQ Preamp output?

This signal is tapped right after the first gain stage, essentially acting as a 'thru' or like a traditional DI for a direct sound from your bass guitar.

Where in the circuit is the Post-EQ preamp output?

This signal is tapped after the Main Volume knob.

I can still hear signal from the Preamp Out when I'm in 'standby'. Is this normal?

Yes, this is normal operation.

How long is the warranty?

The warranty period for the PF-20T is 2 years electronics and 90 days on tubes. For the latest warranty information, visit <http://www.ampeg.com/support/warranty/>