

**Front panel**

1. **FX INPUT:** Connect the FX INPUT jack of the 221 to the input of your effect unit, whether it is a single unit like a delay pedal, a chain of pedals or rack units or another audio looper. This is exactly like you would connect it to your amp's FX Loop Send. When switching between amps, the 221 automatically switches your effects to the currently selected amp.
2. **FX OUTPUT:** Connect the FX OUTPUT jack of the 221 to the output of your effect unit, whether it is a single unit like a delay pedal, a chain of pedals or rack units or another audio looper. This is exactly like you would connect it to your amp's FX Loop Return. When switching between amps, the 221 automatically switches your effects to the currently selected amp.
3. **INPUT:** Instrument input, which routes the instrument signal to your connected amplifier inputs via a high to low impedance buffer amplifier, for keeping the signal clean and noiseless without colouring it.
4. **AMP INPUTS AMP1:** AMP1 output is grounded. Connect the instrument input of your amp 1 here. This is the most sensitive connection setting up the 221, make sure to use high quality instrument cables.
5. **AMP INPUTS AMP2:** Connect the instrument input of your amp 2 here. Be aware that the AMP2 is an ungrounded output, thus it causes a humm if AMP1 is not connected. This is the most sensitive connection setting up the 221, make sure to use high quality instrument cables.
6. **FOOTSWITCH:** Connect any standard Tip to Ground Footswitch to switch between the amps.
7. **SELECT AMP1 AMP2:** Select between AMP1 (green LED) and AMP2 (red LED).  
**Note:** This switch is deactivated when a footswitch is connected to the unit.

**Rear panel**

1. **FX LOOPS AMP2 RET.:** Connect the FX Loop Return/power amp in/line in of amplifier 2 to the FX LOOPS AMP2 RETURN of the 221. Please be aware that this is not an independent loop but the corresponding FX loop of the amplifier you drive with the AMP INPUTs AMP2 and AMP OUTPUTs AMP2 jacks of the 221!
2. **FX LOOPS AMP2 SEND:** Connect the FX Loop Send/preamp out/line out of amplifier 2 to the FX LOOPS AMP2 SEND jack of the 221. Like before mentioned, this is not an independent loop but the corresponding FX loop of the amplifier you drive with the AMP INPUT 2 and AMP OUTPUT 2 jacks of the 221!
3. **FX LOOPS AMP1 RET.:** Proceed like described under point 1.
4. **FX LOOPS AMP1 SEND:** Proceed like described under point 2.
5. **AMP OUTPUTS AMP2:** Connect the loudspeaker/cabinet/amp output of amplifier 2 here. This is NOT an independent output but it corresponds to the number of the AMP INPUTS AMP2 and the AMP2 SEND and RETURN jacks of the 221. **Use speaker cables only!**
6. **AMP OUTPUTS AMP1:** Connect the loudspeaker/cabinet/amp output of amplifier 1 here. This is NOT an independent output but it corresponds to the number of the AMP INPUTS AMP1 and the AMP1 SEND and RETURN jacks of the 221. **Use speaker cables only!**
7. **CABINET:** Connect your speaker cabinet here. No matter which cabinet you choose, from 1x12" to 4x12" with every impedance everything is possible, but consider not to exceed the power handling of the speaker cabinet to avoid any damage to the speakers and/or the amplifier. **Use speaker cables only!**
8. **DC IN 9V:** Connect the provided 9V/500mA Power supply for powering the 221. The power supply included in delivery is verified for best performance and can be used in most countries providing 90VAC to 240 VAC line voltage.

**Position**

Position the 221 on top of your amplifier to achieve short cable runs and to avoid accidental disconnection of any cables. We recommend to use color coded cable snakes to avoid cable mess and connection failures.

<http://www.musik-produktiv.co.uk/audioteknik-ampete-snake-0-5m.html> or  
<http://www.musik-produktiv.co.uk/audioteknik-ampete-snake-1m.html>

**FX Loops**

The FX loop option of the 221 allows to run one single effect unit or even a complex FX rig to both of the FX loops of your connected amplifiers. That way you are not in need of 2 independent effect units for several amplifiers. Here it surely does not matter if you run a single or a chain of effect units for instance connected to a further audio looper unit.

The FX INPUT / OUTPUT jacks are connected to the actual selected amplifiers FX Loop Send/Return.

When switching between amplifiers, the 221 switches the FX INPUT / OUTPUT jacks to the selected amp's FX Loop at the same time.

**Amplifiers without FX Loop**

There are many especially classic amps like Fender Brown-, Black-, Silverfaces, Vox ACs or Marshall Plexis, JMPs, JCM800s, but also many newer amps in the tradition of those not featuring any kind of insert between pre- and poweramp such as an FX loop. The 221 gives you the option of sharing a single FX unit or a complex effect rig not only with any of your FX loop equipped amp, but also with those classic style amps not featuring an FX loop.

**All you need to do is connect the AMP1 or AMP2 SEND and RET. in front of the amp!!!**

This is simply done by patching a short cable from the AMP INPUTs AMP1 or AMP2 to the corresponding AMP1 or AMP2 SEND. Next connect the RETURN of that FX loop to the amplifiers input.

Now you can assign the 221s FX loop (FX INPUT and FX OUTPUT) both in front of your amp without FX loop or in between pre- and poweramp of your amp with FX loop.

**Delivered Items:**

1x Ampete Engineering 221, 1x 9V/1A DC Power Supply

**Dimensions**

Width: 180mm Height: 40mm Depth: 98mm (Phono jacks add another 5mm on both sides)



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*Ampete* **221**

**Owner's Manual**

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