

RAK-APX INSTRUCTIONS

Rackmounting kit for APx series audio analyzers

Introduction

The hardware included in this kit allows Audio Precision APx Series analyzers to be rack mounted using telescoping, slide-out rackmount adapters. The larger box contains A, B and C. The smaller box contains D.

WHEN RACK MOUNTED, THIS EQUIPMENT MUST BE MOUNTED IN A RACK WITH BOTH FRONT AND REAR MOUNTING RAILS. Front rails alone will not support this equipment.



Parts List

	Quantity	Description	
(A)	2	Chassis Trak telescoping rackmount assemblies. Each assembly has three components: the chassis section, the stationary section, and the intermediate section. (The illustration above shows the three components for one assembly only.)	7171.0001
(B)	1	Mounting hardware packet, containing two end brackets, six bar nuts, twelve 10-32 x 5/16" truss head screws, four 10-32 x 5/16" CS head screws, and four 10-32 Kep nuts. (The illustration above shows one end bracket, one bar nut, one truss head screw and one Kep nut.)	(packaged with above)
(C)	1	Mounting hardware packet, containing eight 10-32 x 5/16" truss head screws, and eight 10-32 Kep nuts.	(packaged with above)
(D)	2	Chassis Trak B-308 extension end brackets. (The illustration above shows one extension end bracket.)	7310.0014

Mounting the chassis sections on the analyzer chassis

The two chassis sections (A, upper photograph) of the rackmount assemblies (7171.0001) are interchangeable. Mount one on the left-hand side of the analyzer chassis using four 10-32 5/16" truss head screws as shown in Figure 1. Invert the second chassis section and mount it on the right-hand side of the analyzer in the same way. Tighten the screws securely. The spring-and-button locks on each chassis section must be located toward the rear of the analyzer chassis.



Figure 1. CHASSIS SECTION MOUNTED ON LEFT SIDE OF APX CHASSIS.

Mounting the stationary brackets to the equipment rack

1. WHEN RACK MOUNTED, THIS EQUIPMENT MUST BE MOUNTED IN A RACK WITH BOTH FRONT AND REAR MOUNTING RAILS. Front rails alone will not support this equipment.
2. Measure the distance between the rack front rail and rear rail. The hardware provided will accommodate equipment racks with a front-rail-to-rear-rail dimension from 18" to 24".
3. Attach an end bracket to each stationary section. Choose the short end bracket (for 18" deep racks) or the extension end bracket (for 18" to 24" deep racks). If using the extension end bracket, use the mounting holes that best accommodate the depth of your rack. Attach each end bracket to the stationary section using two 10-32 x 5/16" truss head screws and two Keps nuts. Alternatively, you can use a bar nut in place of the Keps nuts. See Figure 2.
4. If the intermediate section is not already mounted in the stationary section, slide it in from the rear. Depress the spring button in the stationary section to allow the intermediate section to slide to the front of the stationary section.



Figure 2. STATIONARY SECTION WITH INTERMEDIATE SECTION INSTALLED.

5. Install the rack mounting assemblies, (the assembled stationary sections, intermediate sections and end brackets) in the desired position in the rack. The top of the front and rear mounting brackets should be approximately 2-1/4" (5.7 cm) below the intended top of the instrument when installed.

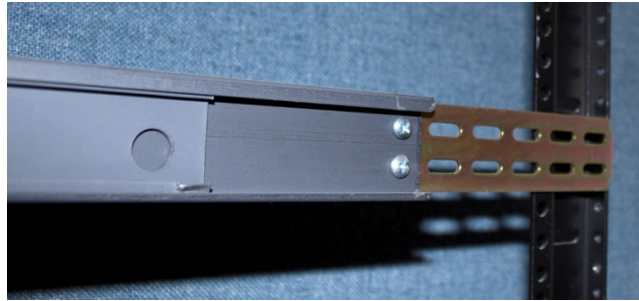


Figure 3. **EXTENSION END BRACKET MOUNTED TO STATIONARY BRACKET AND TO REAR RACK RAIL.**

6. Attach both the front and back brackets from the outside of the rack rail rails using the 10-32 x 5/16" truss head screws provided. Do not fully tighten these screws yet. See Figures 2 and 3.
7. For equipment racks with mounting holes tapped for 10-32, pass the screws through the mounting brackets and screw them into the tapped holes. See Figure 4.



Figure 4. **MOUNTING THE STATIONARY SECTION TO THE FRONT RACK RAIL**

8. For equipment racks with punched, untapped holes, pass the screws through the mounting brackets and the rack holes and secure them using bar nuts. Alternatively, you can use clip nuts or cage nuts (not provided) snapped onto the rack rail.
9. At the front of the rack, adjust the distance between outside surfaces of the stationary rails to be 17-5/8" (44.4 cm). Tighten the front mounting screws.
10. At the rear of the rack, adjust the distance between them to be the same as measured in Step 9. Tighten the rear mounting screws.
11. Tighten the screws mounting the end brackets to the stationary brackets, if necessary.
12. Slide the intermediate sections out toward the front of the rack until they are fully extended, and confirm that they lock into position.

Installing the Instrument into the rack

13. With the help of an assistant, install the instrument by sliding the chassis section rails into the extended intermediate sections. Press in the lock buttons, and slide the instrument into the rack.