



## Rack Mounting the Model 543D Audio Interface

### Panel Cutout or Surface Mounting One Model 543D Unit

Installation kit RMBK-10 allows one Model 543D to be mounted in a panel cutout or onto a flat surface. The kit contains two standard-length brackets and four 6-32 thread-pitch Phillips-head machine screws.

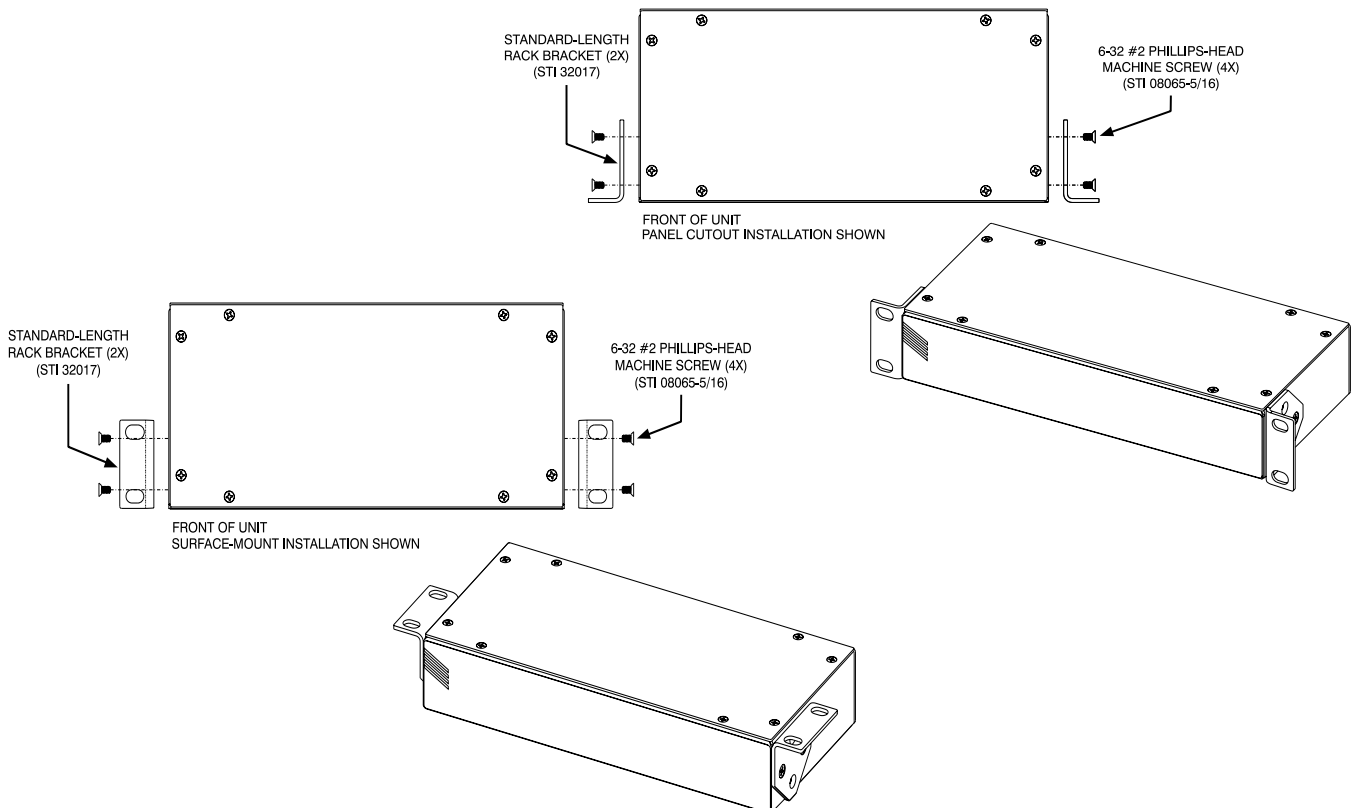
Begin the installation by removing the four screw-on rubber feet from the bottom of the Model 543D's chassis. They can be removed using one's fingers to rotate them counterclockwise; no tool is required. Store the feet for possible later use.

To prepare the unit to mount in a cutout or other opening in a panel, use a #2 Phillips screwdriver and two 6-32 machine screws to attach one of the standard-length brackets onto the left side (when viewed from the front) of the Model 543D's enclosure. Orient the standard-length bracket such that its front is parallel to the Model 543D's front panel. The screws will mate with the threaded fasteners that can be seen on the side of the Model 543D's enclosure, near the front of the unit. Using two additional 6-32 machine screws, attach the other standard-length bracket onto the right side of the Model 543D's enclosure.

Once the two standard-length brackets have been installed the Model 543D will be ready to be mounted into an opening. Secure the unit into the top left and right edges of the opening using two mounting screws per side.

To prepare the unit to be mounted onto a flat surface simply requires the standard-length brackets be attached to the Model 543D at 90 degrees from how they are mounted for use in a panel cutout. Use a #2 Phillips screwdriver and two 6-32 machine screws to attach one of the standard-length brackets onto the left side (when viewed from the front) of the enclosure. Orient the bracket such that its front is parallel with the top surface of the Model 543D's enclosure. The screws will mate with the threaded fasteners that can be seen on the side of the Model 543D's enclosure, near the front of the unit. Following the same orientation, use two additional 6-32 machine screws to attach the other standard-length bracket onto the right side of the Model 543D's enclosure.

Once the two standard-length brackets have been installed the Model 543D will be ready to be mounted onto a flat surface. Secure the unit to the surface using two mounting screws per side.



## Left- or Right-Side Rack Mounting One Model 543D Unit

Installation kit RMBK-11 allows one Model 543D to be mounted in the left or right side of one space (1U) of a standard 19-inch rack enclosure. The kit contains one standard-length bracket, one long-length bracket, and four 6-32 thread-pitch Phillips-head machine screws.

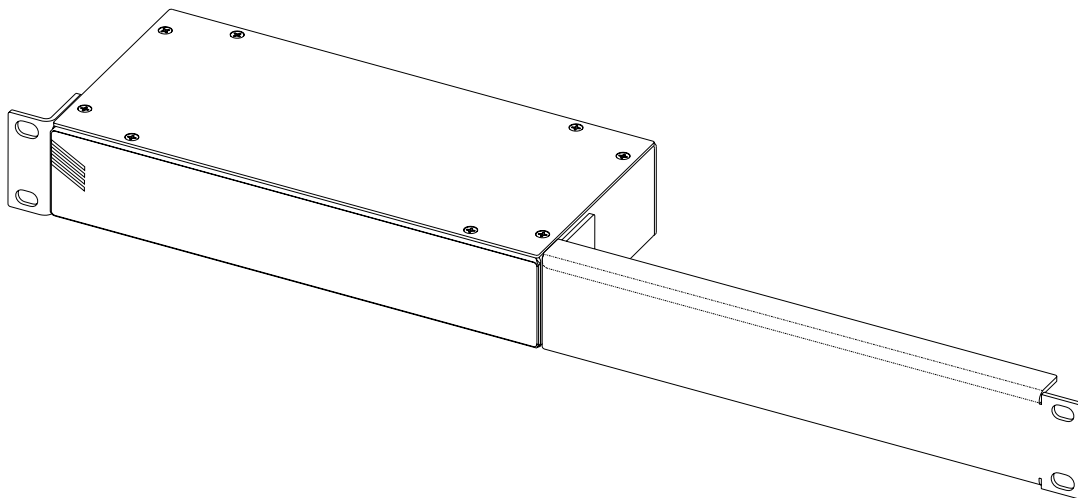
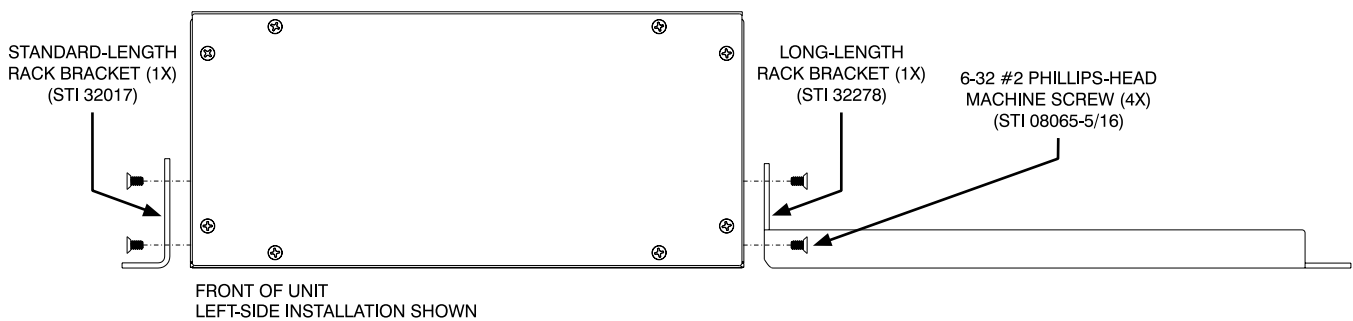
Begin the installation by removing the four screw-on rubber feet from the bottom of the Model 543D's chassis. They can be removed using one's fingers to rotate them counterclockwise; no tool is required. Store the feet for possible later use.

To prepare the unit to mount in the left side of a rack enclosure, use a #2 Phillips screwdriver and two 6-32 machine screws to attach the standard-length bracket onto the left side (when viewed from the front) of the enclosure. The screws will mate with the threaded fasteners that can be

seen on the side of the Model 543D's enclosure, near the front of the unit. Using two additional 6-32 machine screws, attach the long-length bracket onto the right side of the Model 543D's enclosure.

To prepare the unit to mount in the right side of a rack enclosure, use a #2 Phillips screwdriver and two 6-32 machine screws to attach the long-length bracket onto the left side of the enclosure. Using two additional 6-32 machine screws, attach the standard-length bracket onto the right side of the Model 543D's enclosure.

Once the standard-length and long-length brackets have been installed the Model 543D will be ready to be mounted into the designated equipment rack. One space (1U or 1.75 vertical inches) in a standard 19-inch equipment rack is required. Secure the unit into the equipment rack using two mounting screws per side.



## Rack-Mounting Two Model 543D Units

Installation kit RMBK-12 is used to allow two Model 543D units to be mounted in one space (1U) of a standard 19-inch equipment rack. The kit can also be used to mount one Model 543D and one other Studio Technologies' product that is compatible with the RMBK-12, such as the Model 545DR Intercom Interface or the Model 5421 Dante Intercom Audio Engine. The RMBK-12 installation kit contains two standard-length brackets, two joiner plates, eight 6-32 thread-pitch Phillips-head machine screws, and two 2-56 thread-pitch Torx™ T7 thread-forming machine screws.

Begin the installation by removing the four screw-on rubber feet from the bottom of the Model 543D's chassis. They can be removed using one's fingers to rotate them counterclockwise; no tool is required. Store the feet for possible later use.

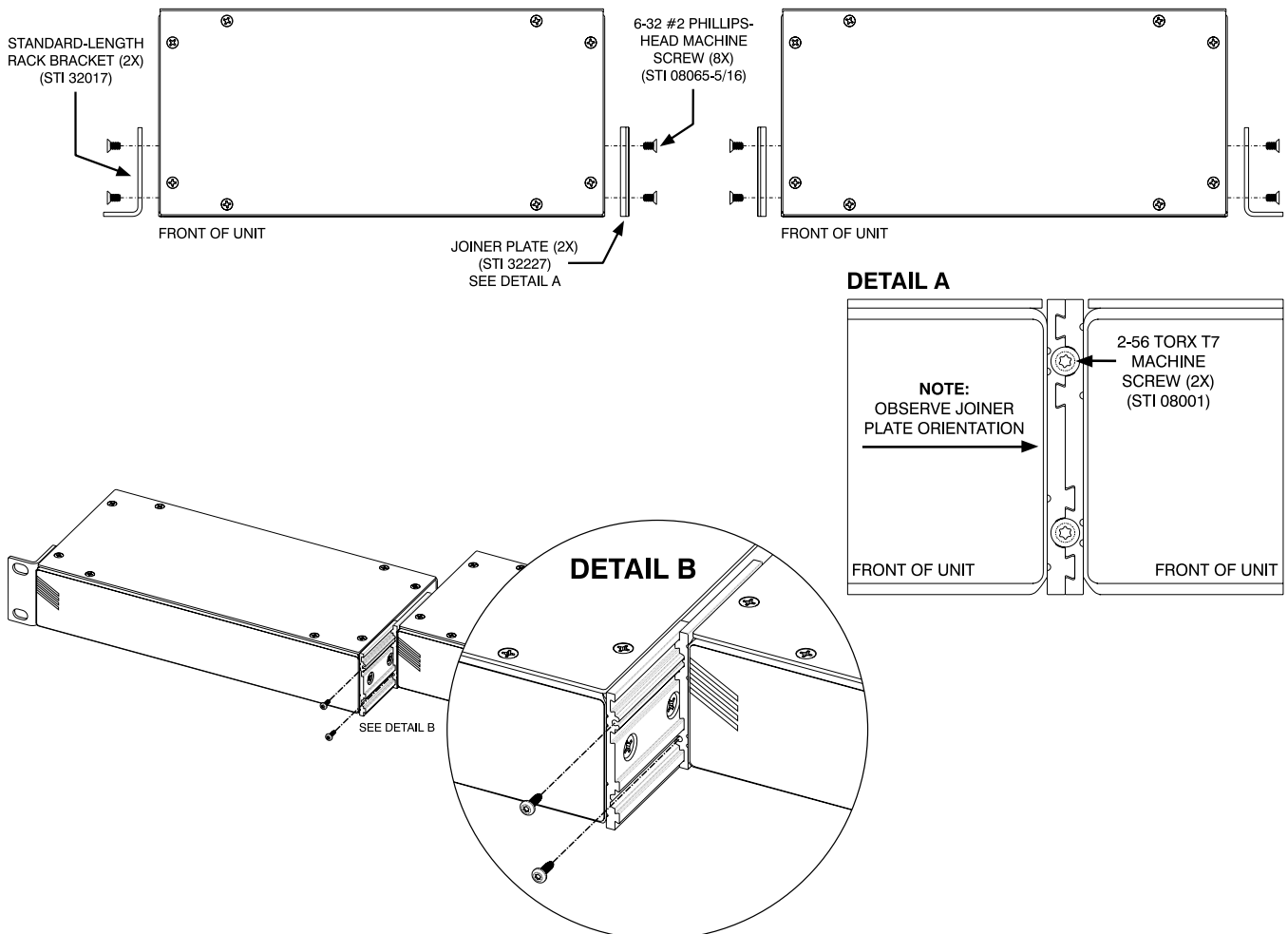
With assistance from a #2 Phillips screwdriver, use two of the 6-32 machine screws to attach one of the standard-length brackets onto the left side (when viewed from the front) of one of the Model 543D units. The screws will mate with the threaded fasteners that can be seen on the side of the Model 543D's enclosure, near the front of the unit. Using two more of the 6-32 machine screws, attach

one of the joiner plates onto the right side of that same Model 543D unit.

Again using two of the 6-32 machine screws, attach the second standard-length bracket onto the right side of the second Model 543D or another compatible unit. Using the final two 6-32 machine screws, attach the second joiner plate onto the left side of the second Model 543D or other compatible unit with an orientation of 180 degrees from the way in which the first plate was installed.

To complete the assembly, "join" the units together by sliding each joiner plate through the other. The grooves in each joiner plate will carefully align with each other and form a relatively tight bond. Line up the two units so that the front panels form a common plane. With the aid of a Torx T7 screwdriver, use the two 2-56 Torx machine screws to secure the two joiner plates together. The screws should fit snugly into the small openings formed by the mating of the two joiner plates.

The 2-unit assembly is now ready to be mounted into the designated equipment rack. One space (1U or 1.75 vertical inches) in a standard 19-inch equipment rack is required. Secure the assembly into the equipment rack using two mounting screws per side.



## Center Rack Mounting One Model 543D Unit

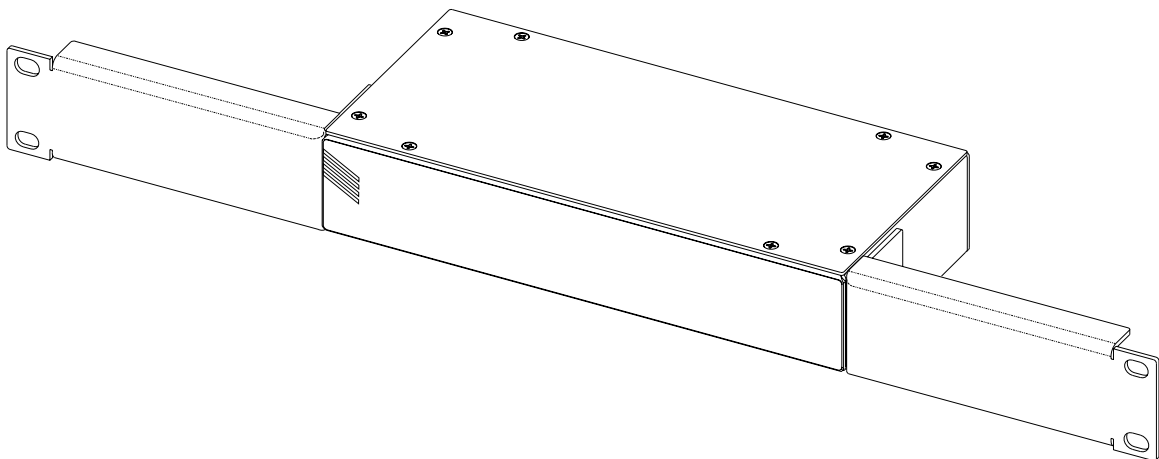
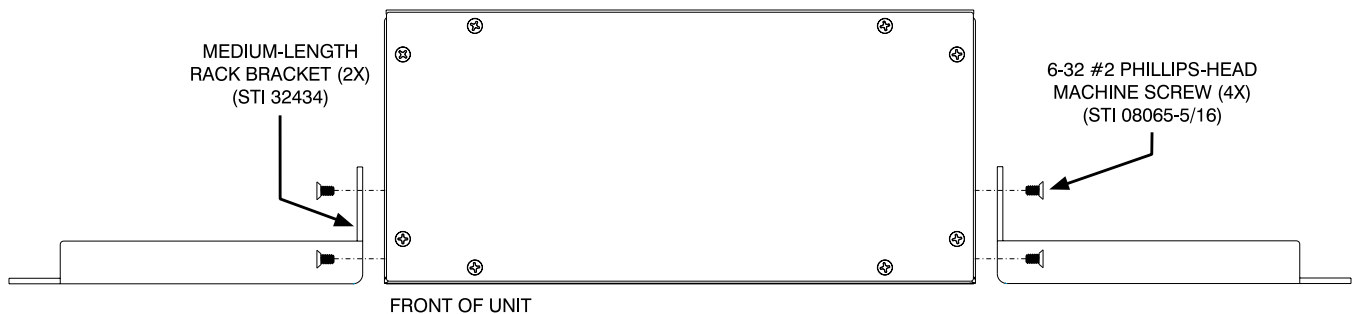
Installation kit RMBK-13 allows one Model 543D to be mounted in the center of one space (1U) of a standard 19-inch rack enclosure. The kit contains two medium-length brackets and four 6-32 thread-pitch Phillips-head machine screws.

Begin the installation by removing the four screw-on rubber feet from the bottom of the Model 543D's chassis. They can be removed using one's fingers to rotate them counterclockwise; no tool is required. Store the feet for possible later use.

To prepare the unit to mount in the center of a rack enclosure, use a #2 Phillips screwdriver and two 6-32 machine

screws to attach one of the medium-length brackets onto the left side (when viewed from the front) of the enclosure. The screws will mate with the threaded fasteners that can be seen on the side of the Model 543D's enclosure, near the front of the unit. Using two additional 6-32 machine screws, attach the other medium-length bracket onto the right side of the Model 543D's enclosure.

Once the two medium-length brackets have been installed the Model 543D will be ready to be mounted into the designated equipment rack. One space (1U or 1.75 vertical inches) in a standard 19-inch equipment rack is required. Secure the unit into the equipment rack using two mounting screws per side.



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