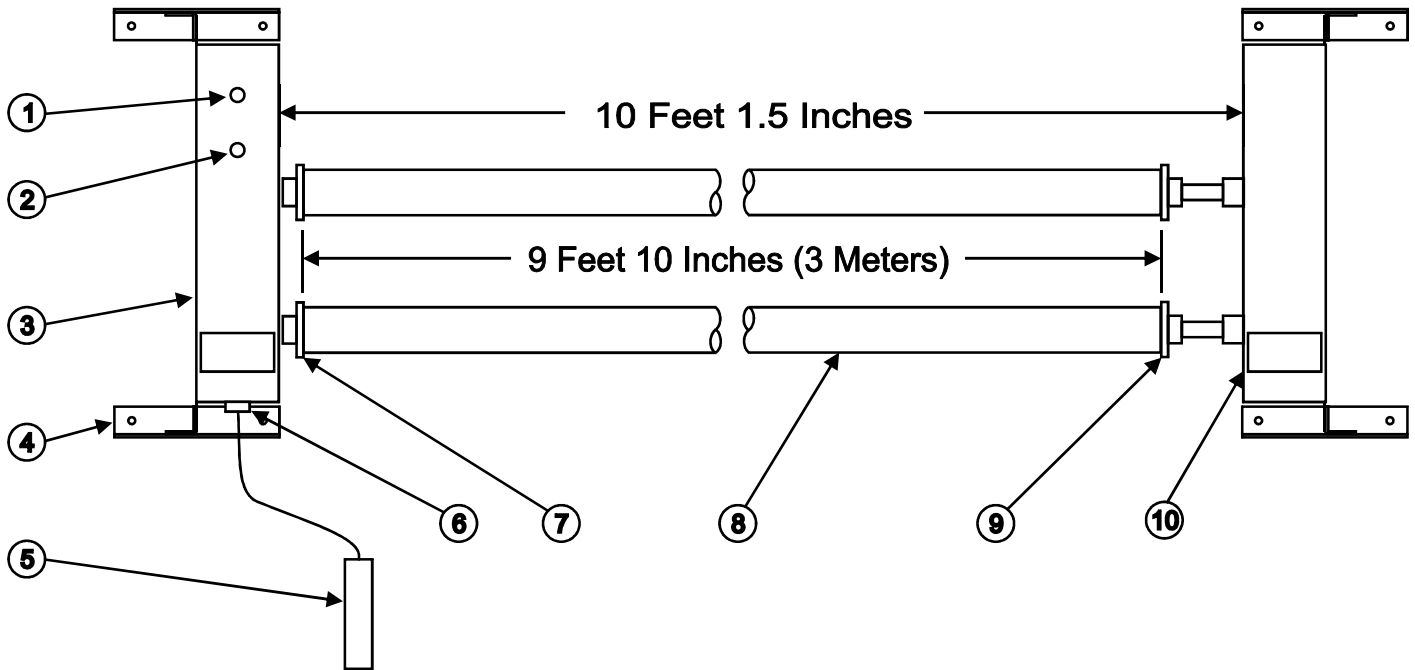


Modern Motorized Background Support System

Installation Manual

The following diagram shows a brief sketch of all the components of Modern Motorized Background Support System



- | | | |
|--------------------------|-----------------------|-----------------------------------|
| 1. AC Power-On Indicator | 5. Cabled Remote Unit | 9. Spring Tensioned Roller Socket |
| 2. Fuse (6 Ampere) | 6. Remote Socket | 10. Support Unit |
| 3. Driving Unit | 7. Roller Socket | |
| 4. Mounting Brackets | 8. Roller (3 meter) | |

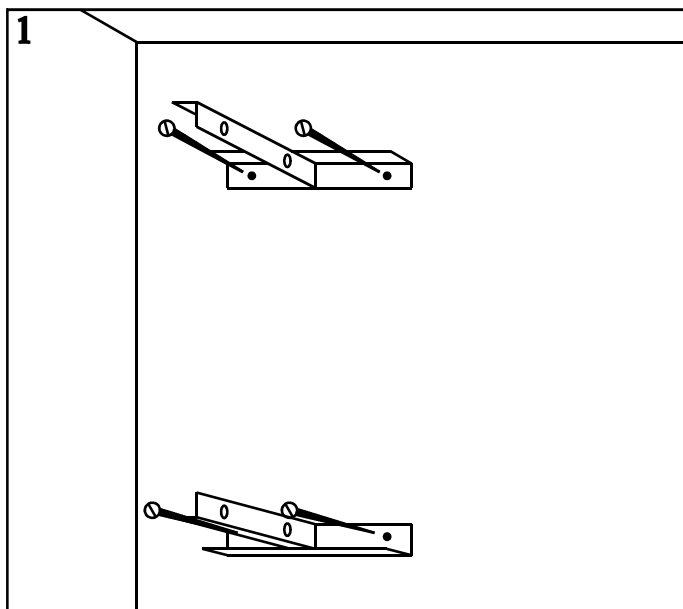
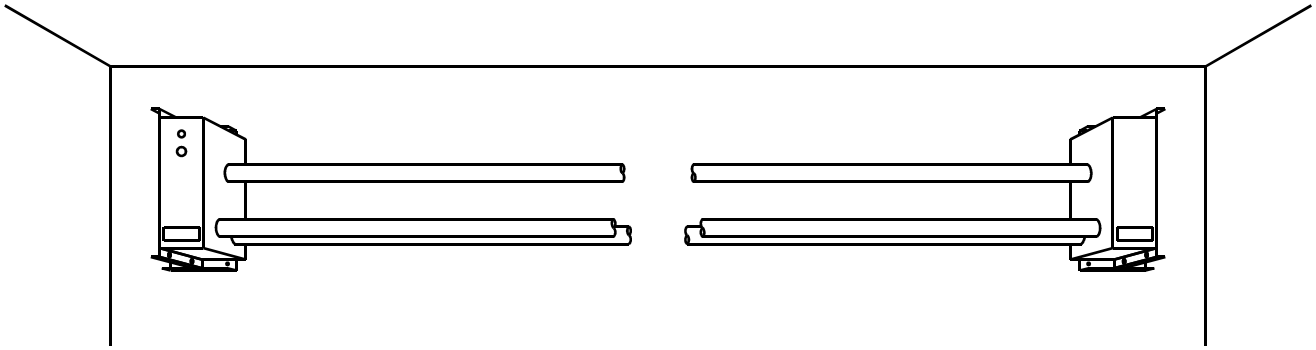
Modern motorized background support system can support either 3 or 5 backgrounds at a time which are all driven by individual motors. Modern motorized background support system consists of following items:

- 1. Driving Unit** Driving unit contains all the motors and most of electrical components of the system. It takes AC input of 230V and can be controlled by attaching remote to the remote-socket (provided at lower end of the box). It also has an AC Power-On indicator and 6A fuse for safety.
- 2. Support Unit** Support unit has to be mounted at opposite end of the driving unit. The roller sockets on the supporting unit are spring tensioned and they can be pulled back to change the rollers.
- 3. Cabled Remote** Cabled remote is used for controlling the driving unit to bring the backgrounds up and down.
- 4. Rollers** Roller has diameter of 45 cm. At both ends each roller has pins which would fit in the slots of roller sockets.
- 5. Brackets** Two pairs of mounting brackets are optionally provided with the system when the system has to be mounted on background wall or ceiling of the Studio. Each pair is used to support driving and support units.

Installation Option 1 : Mounting on Studio Background Wall

First option of mounting ModernMotorized Background Support System is to install it on the background wall of the studio. This option is suitable for studios with any of the following cases:

1. Width of the studio is larger than 10.5 feet
2. Side walls of the studio has some other installation that the system cannot be installed (e.g. cupboard, window, AC, glass fitting, light wiring, etc.)
3. Side walls of the studio are not strong enough to mount the system (e.g. weak wall, wooden partition, etc.)
4. Ceiling of the studio is not strong enough to mount the system (e.g. weak roofing, POP Ceiling, very high ceiling, etc.)



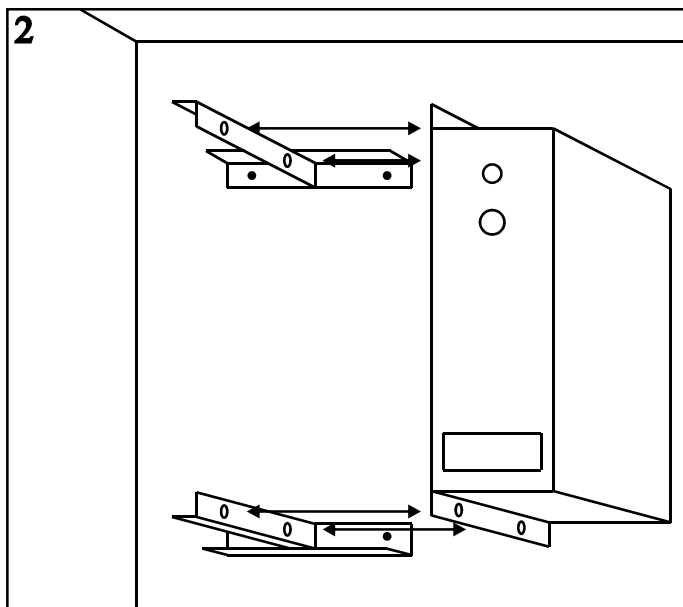
Step 1:

- First step of installing Modern motorized background support system on the background wall is to attach one pair of mounting brackets on the wall for the driving unit.

- After deciding the exact location and height where the system has to be installed, take a pair of mounting brackets, place them on the background wall and mark four holes on the wall as they are given on the brackets. Both the brackets has to be attached on the wall in such a way the when the driving unit is attached to them the face of driving unit remains exactly perpendicular to the ground.

- Use 5/16" drill tool to drill all the four holes into the wall. Depth of all the holes should be approx 1.5 inches. Insert the body of the anchor screws provided with the system into the holes and tighten them by hammering the pin into the body of the screws.

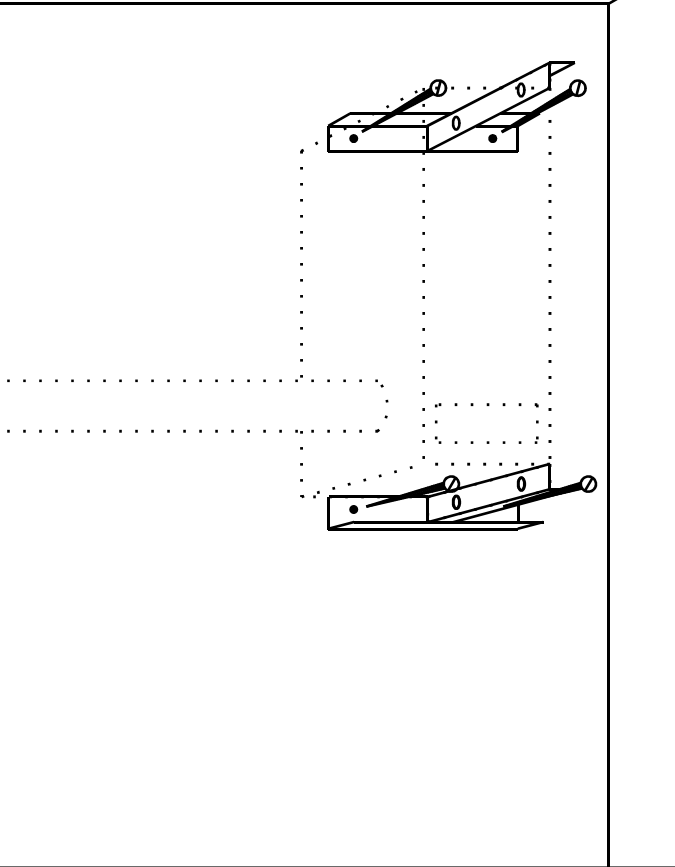
- Place the mounting brackets into their position and attach them with the wall by tightening the nut on the body of the screw. (as shown in the adjoining diagram)



Step 2:

- Once the pair of mounting brackets on the driving unit side is mounted on the background wall, take the driving unit and attach it with the mounting brackets using 1/4" nut-bolt provided with the system. (as shown in the adjoining diagram)

3



Step 3:

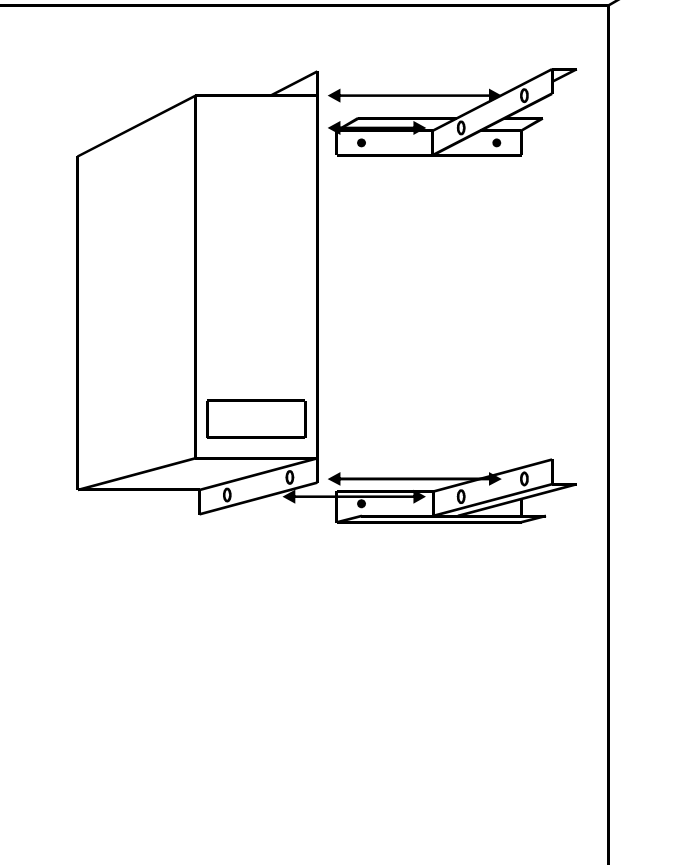
- After the driving unit is in place, take one roller and slide it on any one roller socket on the driving unit. Keep on holding the other loose end of the roller.
- Take the support unit and other pair of mounting brackets and calculate its mounting position on the background wall by sliding the corresponding roller socket on the support unit into the loose end of the roller.
- Once the exact location for attaching the second pair of mounting brackets is calculated, mark four holes on the wall as they are given on the mounting bracket. Both the brackets has to be attached on the wall in such a way the when the support unit is attached to them the face of support unit remains exactly perpendicular to the ground.
- Use 5/16" drill tool to drill all the four holes into the wall. Depth of all the holes should be approx 1.5 inches. Insert the body of the anchor screws provided with the system into the holes and tighten them by hammering the pin into the body of the screws.
- Place the mounting brackets into their position and attach them with the wall by tightening the nut on the body of the screw. (as shown in the adjoining diagram)

Step 4:

- Once the pair of mounting brackets on the support unit side is mounted on the background wall, take the support unit and attach it with the mounting brackets using 1/4" nut-bolt provided with the system. (as shown in the adjoining diagram)
- NOTE: Care should be taken to see that both driving unit and support unit are mounted at water level with their faces exactly parallel. This would ensure smooth function of the system for long period.

Refer page 7 & 8 for further process.

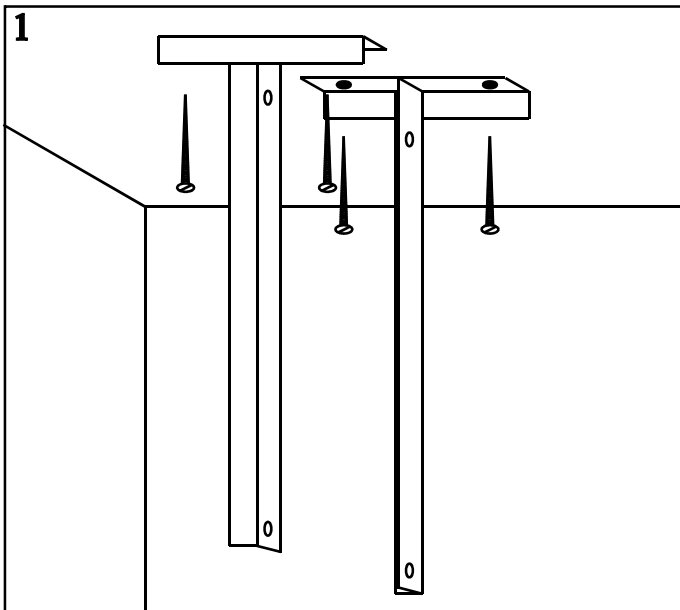
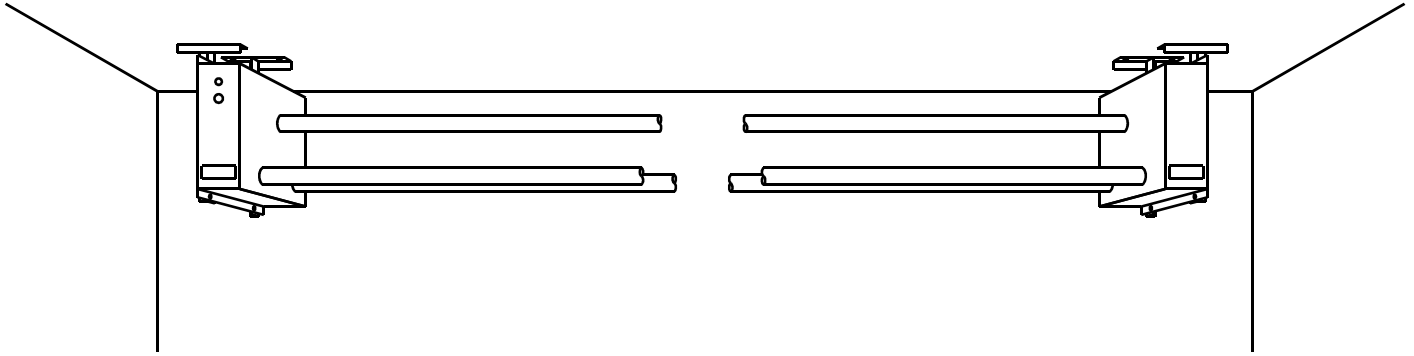
4



Installation Option 2 : Mounting on Studio Ceiling

Another option of mounting Modern Motorized Background Support System is to install it on the ceiling of the studio. This option is suitable for studios with any of the following cases:

1. Width of the studio is larger than 10.5 feet
2. Side walls or background wall of the studio has some other installation that the system cannot be installed (e.g. cupboard, window, AC, glass fitting, light wiring, etc.)
3. Side walls or background wall of the studio are not strong enough to mount the system (e.g. weak wall, wooden partition, etc.)



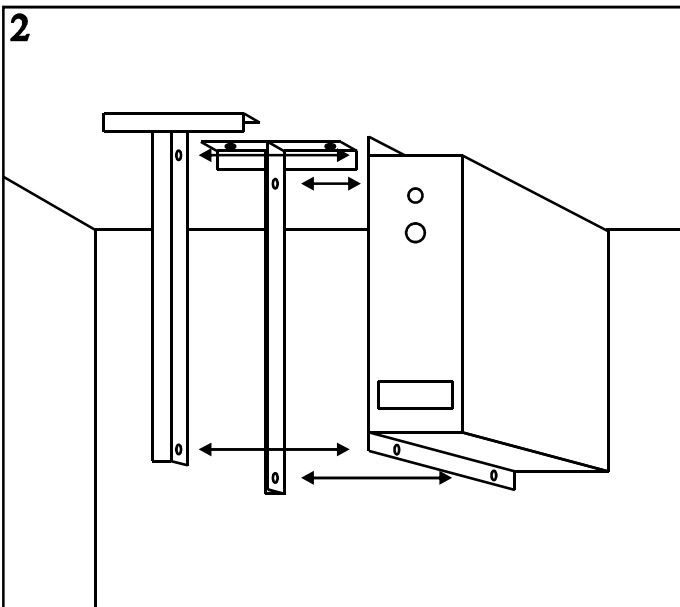
Step1:

- First step of installing Modern motorized background support system on the ceiling is to attach one pair of mounting brackets on the ceiling for the driving unit.

- After deciding the exact location where the system has to be installed, take a pair of mounting brackets, place them on the ceiling and mark four holes on the ceiling as they are given on the brackets. Both the brackets has to be attached on the ceiling in such a way the when the driving unit is attached to them the face of driving unit remains exactly perpendicular to the ground and the background wall.

- Use 5/16" drill tool to drill all the four holes into the ceiling. Depth of all the holes should be approx 1.5 inches. Insert the body of the anchor screws provided with the system into the holes and tighten them by hammering the pin into the body of the screws.

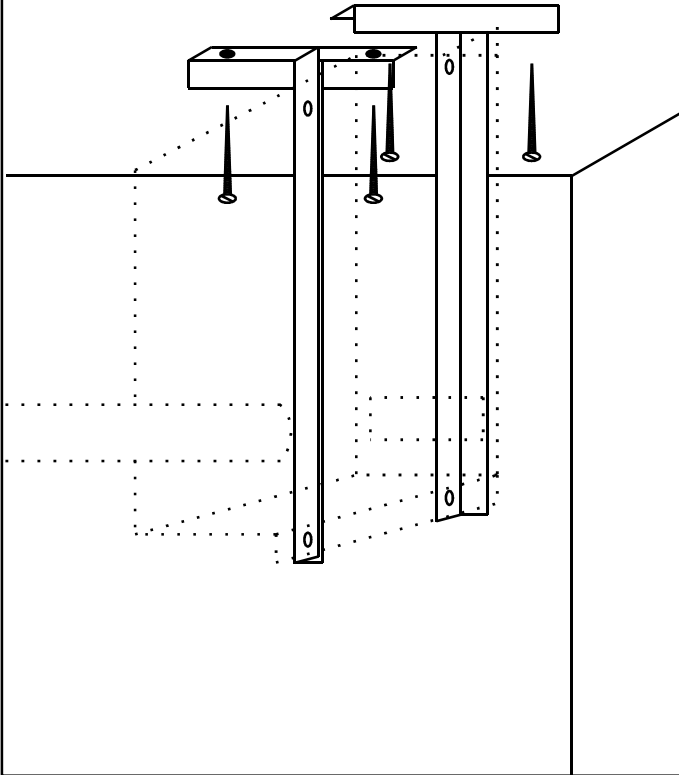
- Place the mounting brackets into their position and attach them with the ceiling by tightening the nut on the body of the screw. (as shown in the adjoining diagram)



Step 2:

- Once the pair of mounting brackets on the driving unit side is mounted on the ceiling, take the driving unit and attach it with the mounting brackets using 1/4" nut-bolt provided with the system. (as shown in the adjoining diagram)

3



Step 3:

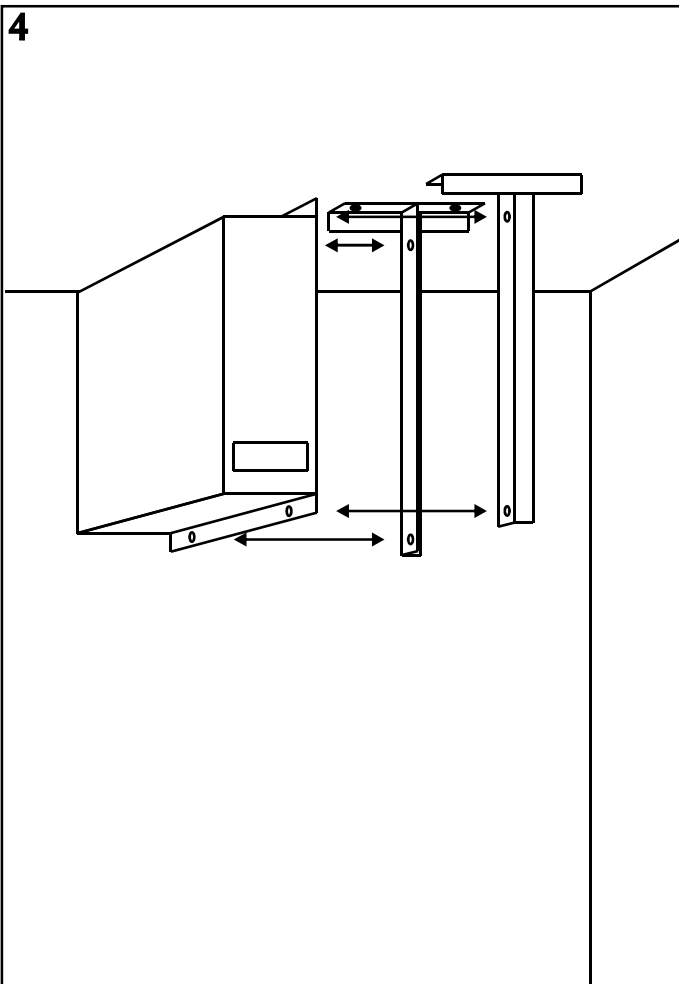
- After the driving unit is in place, take one roller and slide it on any one roller socket on the driving unit. Keep on holding the other loose end of the roller.
- Take the support unit and other pair of mounting brackets and calculate its mounting position on the ceiling by sliding the corresponding roller socket on the support unit into the loose end of the roller.
- Once the exact location for attaching the second pair of mounting brackets is calculated, mark four holes on the ceiling as they are given on the mounting bracket. Both the brackets has to be attached on the ceiling in such a way the when the support unit is attached to them the face of support unit remains exactly perpendicular to the ground and the background wall.
- Use 5/16" drill tool to drill all the four holes into the ceiling. Depth of all the holes should be approx 1.5 inches. Insert the body of the anchor screws provided with the system into the holes and tighten them by hammering the pin into the body of the screws.
- Place the mounting brackets into their position and attach them with the ceiling by tightening the nut on the body of the screw. (as shown in the adjoining diagram)

Step 4:

- Once the pair of mounting brackets on the support unit side is mounted on the ceiling, take the support unit and attach it with the mounting brackets using 1/4" nut-bolt provided with the system. (as shown in the adjoining diagram)
- NOTE: Care should be taken to see that both driving unit and support unit are mounted at water level with their faces exactly parallel. This would ensure smooth function of the system for long period.

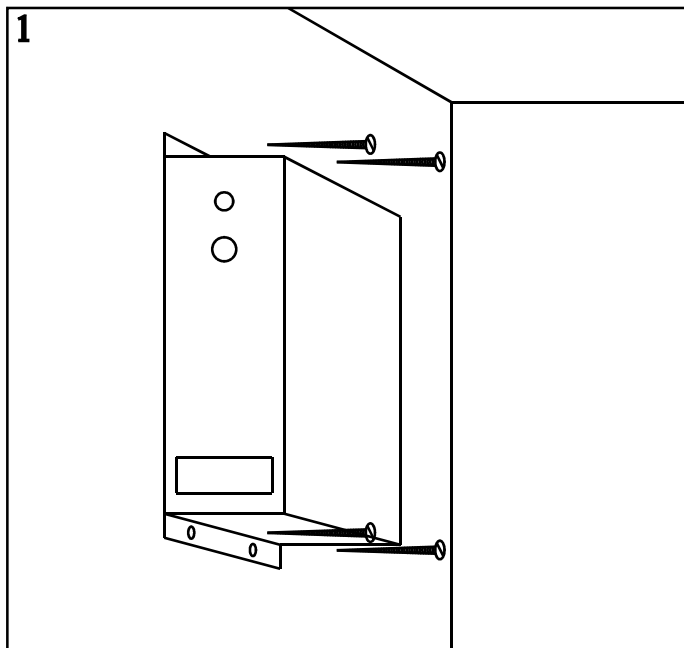
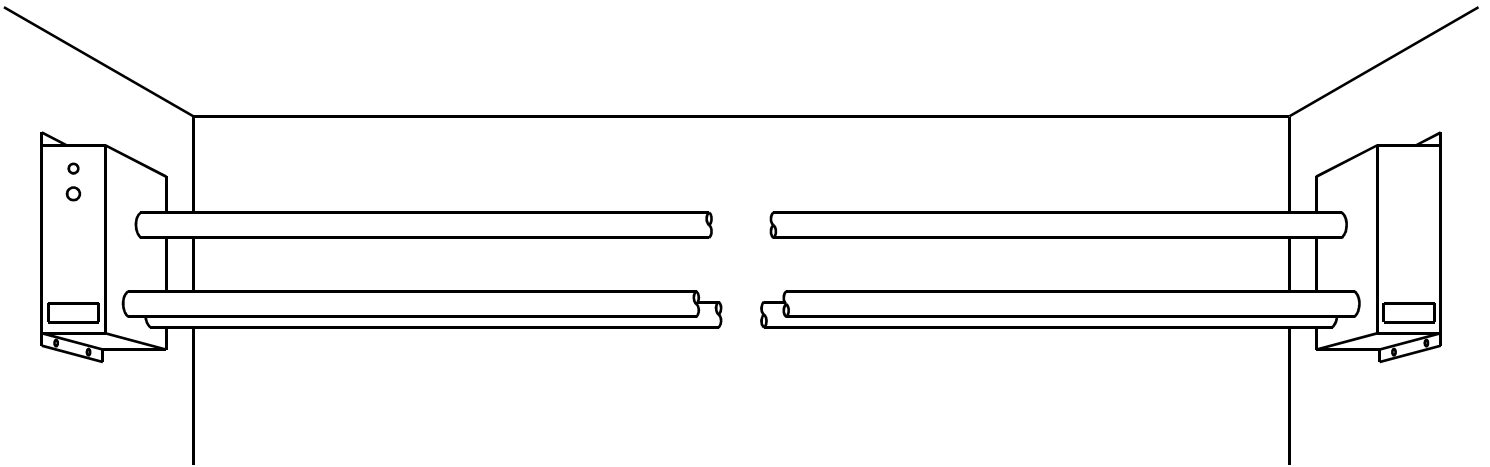
Refer page 7 & 8 for further process.

4



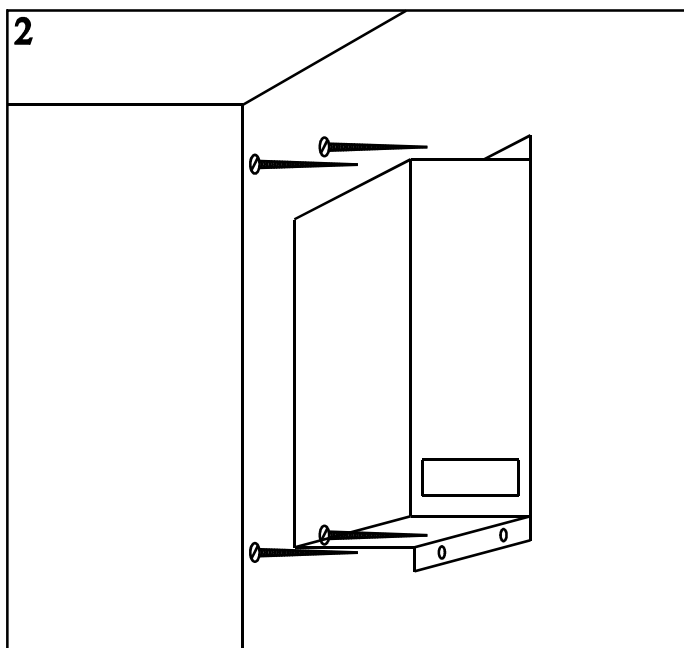
Installation Option 3 : Mounting on Studio Side walls

Third option of mounting Modern Motorized Background Support System is to install it on the side walls of the studio. This option is suitable for studios where the width of the studio is less than 10.5 feet



Step1:

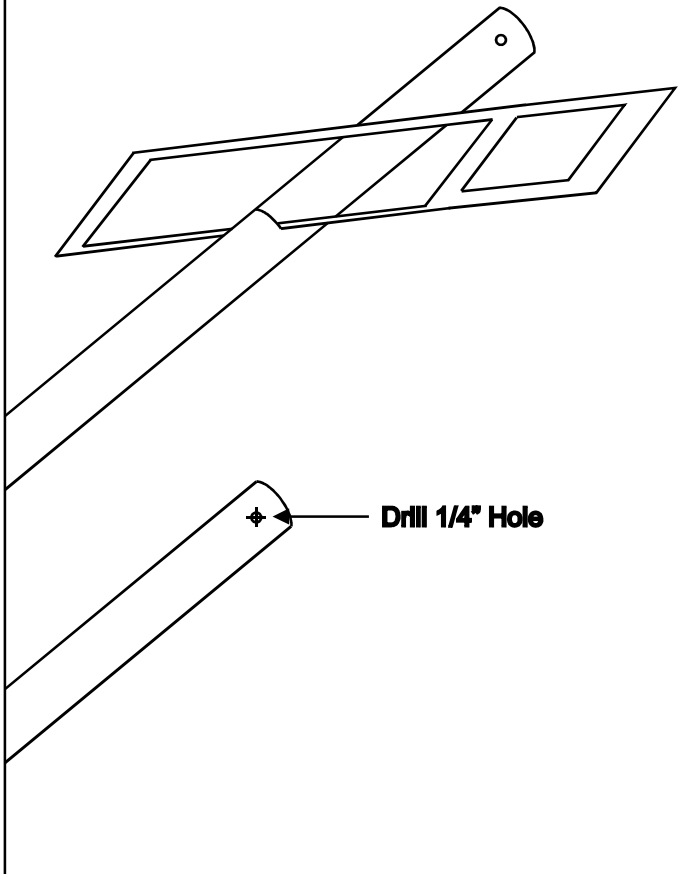
- First step of installing Modern motorized background support system on the side walls is to attach the driving unit.
- After deciding the exact location where the system has to be installed, take the driving unit, place it on the side wall and mark four holes on the wall as they are given on the driving unit. Driving unit has to be attached in such a way that it remains exactly perpendicular to the ground.
- Use 1/4" drill tool to drill all the four holes into the wall. Insert the wall plugs provided with the system into the holes. Place the driving unit into its position and attach it with the wall using metal screws. (as shown in the adjoining diagram)



Step 2:

- Once the driving unit is in place, take the support unit, place it on the opposite side wall and mark four holes on the wall as they are given on the support unit. Support unit has to be attached in such a way that it remains exactly perpendicular to the ground.
- Use 1/4" drill tool to drill all the four holes into the wall. Insert the wall plugs provided with the system into the holes. Place the support unit into its position and attach it with the wall using metal screws. (as shown in the adjoining diagram)
- NOTE: Care should be taken to see that both driving unit and support unit are mounted at water level with their faces exactly parallel. This would ensure smooth function of the system for long period.

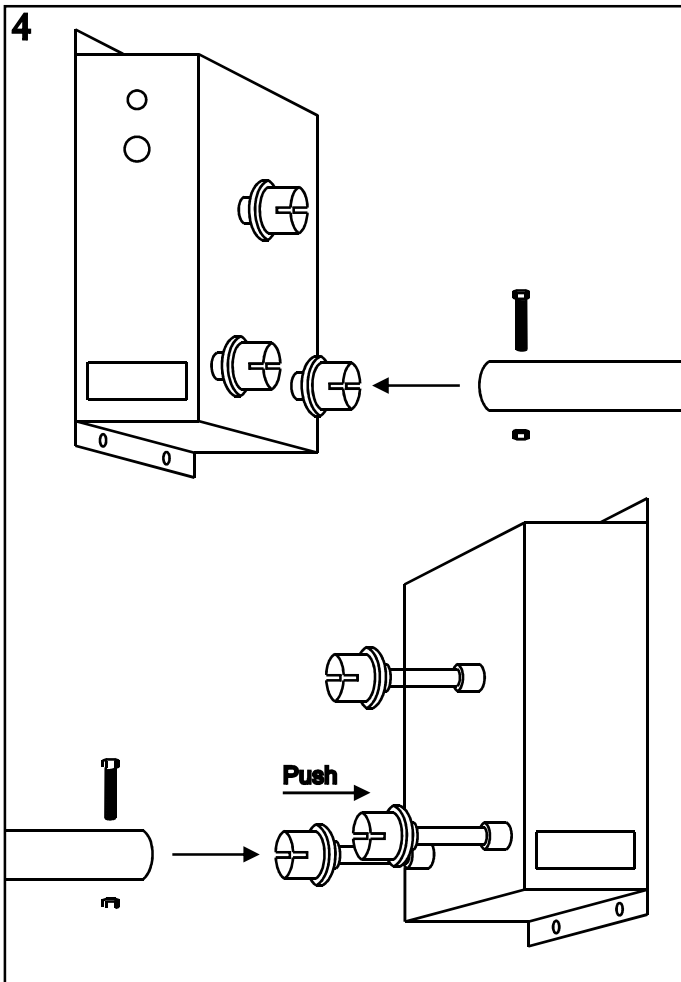
3



Step 3: Cutting Rollers

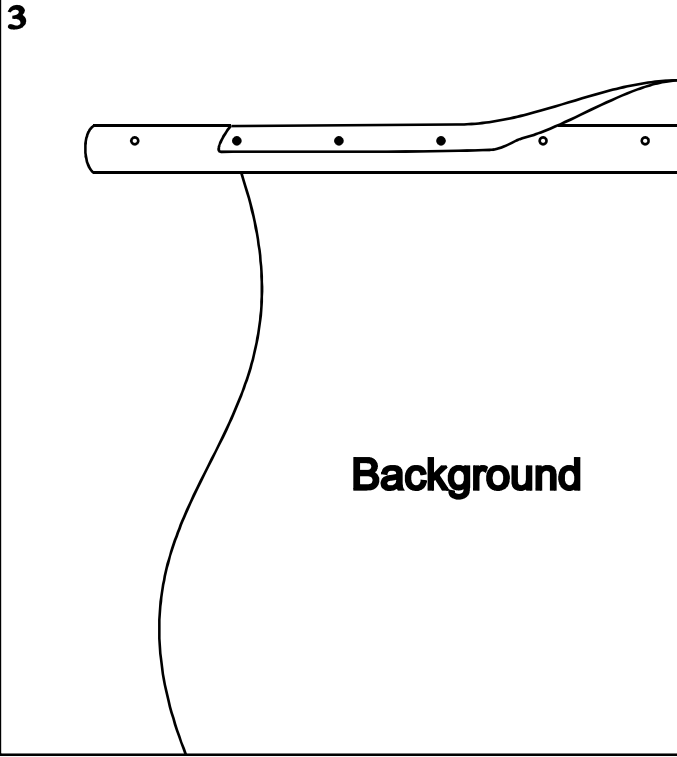
- After the driving and support unit are attached on the side wall, take a measure tape and measure the length between two corresponding roller sockets on the driving and support unit.
- If the length is equal to the length of the roller provided with the system (viz. 3 meters) then they can be mounted on the system.
- If the length between two roller sockets is less than the length of the roller, then cut the extra length of the roller using a metal cutting blade.
- Take 1/4" drill tool and drill a hole at a distance of 1 inch from the edge of the roller as shown in the adjoining diagram.

4



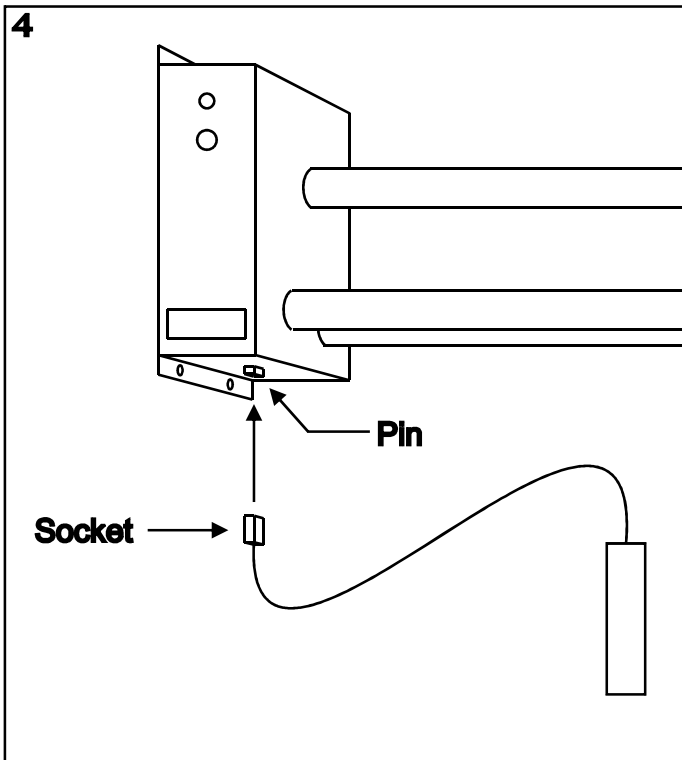
Step 4: Attaching rollers

- This step of attaching rollers to the system is common for all the three options of mounting Modern motorized background support system.
- Take 1/4" nut-bolt provided with the system and attach one at each end of the rollers into the 1/4 hole at the distance of 1 inch from the edge of the roller.
- First slide one end of the roller on the roller socket on the driving unit. The 1/4" bolt attached at the end of the roller will slide into the slot on the roller socket.
- Then push the corresponding spring loaded roller socket on the support unit into the body and attach the other end of the roller by releasing the spring loaded roller socket into it. The 1/4" bolt attached at the other end of the roller will slide into the slot on the spring loaded roller socket.
- Repeat the process for all the other rollers.



Step 5: Attaching background to the rollers

- The rollers provided with the system would be having small holes into them along their length.
- Take the background and attach its upper end to the roller by fastening the screw through the background into the holes of the roller.
- Repeat the process for the remaining two rollers.
- NOTE: Background has to be attached with the rollers using screws only in case of non-tearable backgrounds. For tear-able backgrounds like paper background use sticking material like cello tape to fix the background on the roller.



Step 6: Attaching remote to the driving unit

- Final step to complete the process of installing the system is to attach the remote and power supply of the system.
- Take the power cable of the driving unit and insert it into standard 5A plug. Turn on the power switch on the switch board and the power-on indicator on the driving unit will turn on indicating that the system is now on.
- Take the remote and attach it to the remote socket at lower end of the driving unit. See that the pin on the remote is inserted into the remote socket in proper manner without damaging the pins of the remote socket.
- Modern motorized background support system is now functioning and ready to us.

All the above options (viz. Option 1, Option 2 and Option 3) can be used for 3-in-1, 5-in-1 and 3-in-1SL design of Modern motorized background support system

Driving unit and support unit of motorized background system can also be mounted using any combination of above options (For Example, Driving unit can be mounted on the side wall and support unit can be mounted on the ceiling of the studio using mounting brackets)

Manufactured By:

MODERN TRADERS

Jilla Garden Road, Bapunagar, Rajkot - 360 002 (Gujarat, India)
Tel. +91 281 222 4586