

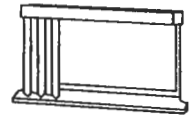
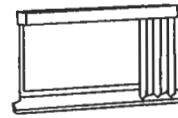
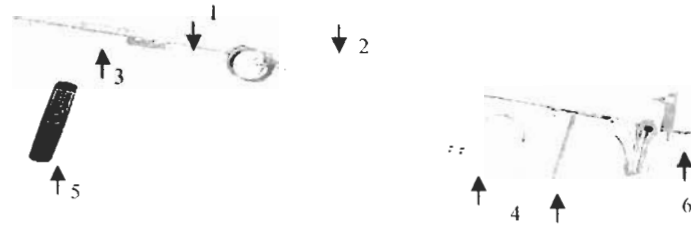
Add-a-Motor Model 1100

Remote Control Drapery System

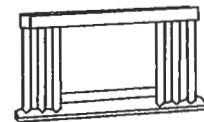
Owner Manual & Installation Instructions

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Model 1100-1
One-way open, reversible



Model 1100-2
Center-open

Thank you for purchasing our Model 1100 Remote Control Drapery System. It is a professional grade system, precision engineered for reliable service.

Included Components

1. Track (A) with 1 or 2 Master Carriers, 1 Overlap Arm, Drive Cable, Motor Bracket, End Bracket.
2. Extension Track (B) with attached Track Connector.
3. Wheel Carriers for drapery fabric hooks (hooks not furnished).
4. Motor assembly, IR Eye with 10" cable, and wired Control Pad.
5. Multi-channel Infrared (IR) Transmitter and batteries. Transmitter can operate up to eight (8) Tracks.
6. Power supply: Output 12-volt, 1 Amp, AC-DC Adapter.
7. Mounting hardware. Tensioning Wrench.

Track Dimensions

Track (A): 64-1/4" including attached Motor Bracket and End Bracket.

Track (B): 59" excluding attached Connector (Connector does not add to overall assembled track length).

Maximum length: 123-1/4" - Track (A) plus uncut Track (B). Minimum length: 36" - Refer to Supplemental Instructions.

Tools Needed: Drill, tape measure, screwdriver, wire cutter, hacksaw & cutting surface, pliers, pencil.

Carefully plan your installation: Consider these important factors before installation.

1. **Finished Track Length:** Usually the length of track being replaced. In new installations, also consider the following.
2. **Opening:** Unobstructed view when drapery is fully open.
3. **Stack-back:** Space where drapery gathers when open. Stack-back depends on drapery width and fabric thickness. Stack-back can use 20% or more of track length. Model 1100 Tracks provide the same Stack-back as conventional tracks.
4. **Space:** Boundaries posed by physical space such as mounting inside a window frame, adjacent wall, floor, ceiling, etc. In a home theater, the Opening must be larger than the screen with adequate space for the required Stack-back.
5. **Opening Direction:**
Model 1100-1 opens to the left, or to the right (reversible).
Model 1100-2 opens in center only.

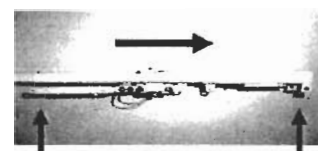
Model 1100-1 only: Determine which direction your Track (A) is set to open; to the left, or to the right



Motor Bracket
Stack-back end

Overlap Arm

If Track (A) looks like this, it is set to open to the left.
Motor will be hidden behind drapery Stack-back.



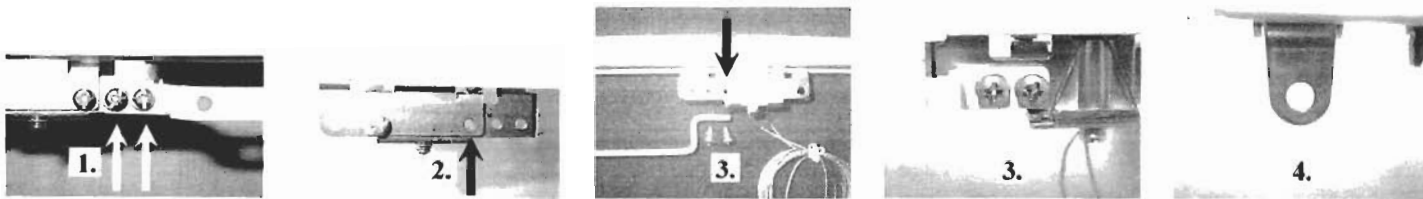
Overlap Arm

Motor Bracket
Stack-back end

If Track (A) looks like this, it is set to open to the right.
Motor will be hidden behind drapery Stack-back.

Note: Preceding pictures show mounted track. When viewing Track on a work surface, it might be with open channel facing up. This reverses the appearance of Overlap Arm. Master Carrier Overlap Arm must face into room when Track is mounted.

To reverse the opening direction of Model 1100-1, do the following. CAUTION: Do not tangle or kink Drive Cable.



1. Remove two screws holding Overlap Arm to Master Carrier. Retain these screws for Step 3.
2. Remove screw closest to empty hole remaining after removing Overlap Arm. Discard this screw (it is shorter than Step 1 screws).
3. Move Overlap Arm to opposite side of Carrier. Align end hole with the Step 2 hole. Align other hole and drive screws into Carrier.
4. Partially loosen screw in Motor Bracket L-clamp. Turn 'L' 180° so that hole is on same side of track as Overlap Arm.

Child Safety  **WARNING: Some components pose swallow or inhalation hazard. Keep children and pets away all times.**

Installation Steps

1. Determine Finished Track length for your installation.

- If desired Track length is shorter than 64- $\frac{1}{4}$ inches, go to Supplemental Instructions, Page A.
- If desired Track length is between 64- $\frac{3}{8}$ and 68", go to Supplemental Instructions, Page A.
- If desired Track length is longer than 123- $\frac{1}{4}$ inches, go to Supplemental Instructions, Page A.

Measure track being replaced. Record measurement. **Important:** If mounting inside a window frame, **subtract $\frac{1}{2}$ "** to assure that DC plug can fit into motor receptacle. **Note:** Most inside window frame mounts are ceiling mounts.

In a new installation, finished track length is the fully closed width of new drapery, measured at top pleats.

2. Layout all components on large work surface or floor near installation area.



- ✓ Loosen Spring Tensioning Nut on end of Motor Bracket. **CAUTION:** Do not remove.
- ✓ Carefully uncoil Drive Cable, preventing twists. Stretch out Cable on work surface.
- ✓ Note that Cable ends are crimped. Also, note the un-crimped brass sleeve on Cable that can move along its length. This sleeve will be used to crimp the Cable in a later step.

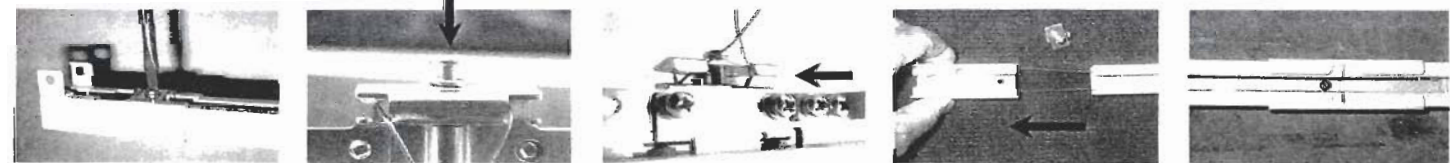


3. Using your measurement from Step 1, determine how much to cut-off Extension Track (B).

Example: If Step 1 measurement is 108", subtract 108 from 123- $\frac{1}{4}$. Therefore, cut-off 15- $\frac{1}{4}$ inches from Track (B).

- ✓ Subtract **your** Step 1 measurement from 123- $\frac{1}{4}$ (Maximum Track Length). Recheck all measurements.
- ✓ Cut-off subtracted inches from Extension Track (B) **only**. Cut Track (B) at end that **does not** have Track Connector.
- ✓ Remove burrs from track cut edge. Carefully remove any filings inside track.

4a. Track assembly

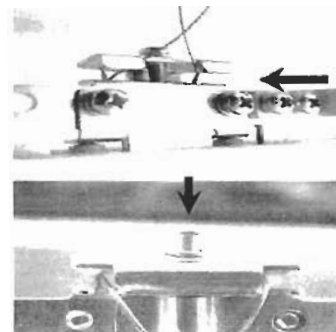


- ✓ In Track (A), loosen clamp screw that affixes End Bracket to Track. Remove clamp.
- ✓ Loosen Top Screws in Master Carrier to release Drive Cable clamp. **Carefully note how Drive Cable is secured by a clamp mechanism in Carrier. Do Not** remove Cable from clamp mechanism or Carrier.
- ✓ Slowly pull End Bracket off end of Track. The Drive Cable should follow. **Caution:** Observe Cable where it passes through Master Carrier to make sure that it does not disengage from Carrier, or twist or kink. **Important: Prevent Carriers from being pulled out of Track. Carriers and Drive Cable must remain inside Track (A).**
- ✓ Pull End Bracket away from Track (A) until there is enough space to insert cut Track (B).
- ✓ Position Track (B) under Cable with Connector end facing Track (A). Slide Connector onto Track (A) until it stops.

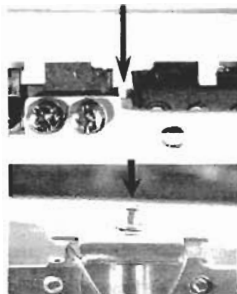
Important: Cable must be laying inside Track (A) and Track (B), separated on both sides of Connector screw (rivet).

4b. Track assembly

- ✓ Grip Cable end and pull through Carrier. This causes End Bracket to move toward Track B.
- ✓ When End Bracket touches Track (B), manually slide Bracket onto end of Track (B).
- ✓ Pull Cable through Carrier to take-up excess and pull End Bracket tight on track assembly.
- ✓ Verify that Cable is in Carrier clamping mechanism as shown.
- ✓ Pull Cable until taut. Maintain tension. **Tighten** Top Screw in Carrier to secure Cable.
- ✓ Move Master Carrier back and forth to verify that it moves freely. If not, Cable might be misaligned or tangled. This condition must be corrected before proceeding.



Model 1100-2 only:



- ✓ Locate center of finished track by measuring from outside ends of Motor Bracket and End Bracket. **Note:** Center is **NOT** where Connector joins Tracks (A) and (B). Carefully **mark center** of track with pencil.
- ✓ Move both Master Carriers so that they touch when located at center mark of track. If Carriers do not touch at center mark, loosen Top Screws in **both** Carriers and move Carriers until they touch at mark.
- ✓ Hold Carriers at center mark. Pull Drive Cable to remove slack. Retain tension. **Tighten** Top Screws in **both** Carriers.
- ✓ Move Master Carriers back and forth to verify that it moves freely. If not, Cable might be snagged. This condition must be corrected before proceeding.

5. Mounting Hardware



Wall Mount Hardware:

Assemble L-Brackets (L) to Track Hangers (H) using Screw and Nut. Adjust to full extension. Tighten screw.



Ceiling Mount Hardware:

Assemble Track Hangers (H) to Ceiling Brackets (C) using Screw and Nut. Adjust to full extension. Tighten.

Note: When mounting track, allow for floor and ceiling clearance. Draperies should not drag against ceiling or floor. Typical clearance is 1" to 2".

↑ (L) ↑ (H) ↑ (C)

Mark and mount Brackets

Model 1100-1: Make pencil mark on wall or ceiling of the planned location of both ends of the Track.

Model 1100-2: Measure and mark center location of the window or other boundary. Align center mark on Track with center of window. Then, make pencil marks on wall or ceiling of both ends of the Track.

Note: Whenever possible, Brackets should be mounted into wall studs or ceiling studs. If Bracket locations are not over a stud, drill hole and mount using furnished anchors and screws. **CAUTION:** Molly bolts, toggle bolts, or comparable device (not supplied) must be used for ceiling mounts that do not screw into a stud.

- ✓ At pencil marks denoting track ends, measure 6" toward center of track and mark screw hole locations for Wall Brackets at each end of track. **Note:** For Ceiling mount, mark end Mounting Brackets 6" from Track ends and 1-1/2" or more from the wall.
- ✓ **VERIFY THAT MARKS ARE LEVEL.**
- ✓ Mark screw hole locations of remaining Mounting Bracket: maximum spacing is 24". Do not locate in line with track Connector.
- ✓ Mount Wall Brackets by driving screws into studs, or use anchors and screws.

Attach Track to Hangers

Note: Overlap Arm of Master Carrier must face into room.



- ✓ Starting at the two middle Hangers, tilt leading edge of Track toward wall. Insert groove in upper edge of Track into Hanger front slot. Rotate rear of Track up and snap it into Hanger rear compression fitting. Repeat with remaining Hangers.
- ✓ If necessary to remove Track from Hangers, reverse above process.

6. Wheel Carriers

Your drapery has a hook in each pleat. Hooks (not supplied) attach the drapery to Master Carriers, Wheeled Carriers, and the Track.

To determine the number of Wheel Carriers for your installation.

Count the total number of hooks in your drapery, then subtract as follows:

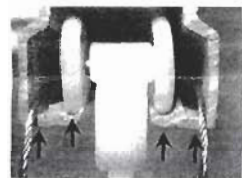
Model 1100-1: Subtract 3 to determine the number of Wheel Carriers for your Track.

Model 1100-2: Subtract 6 to determine the number of Wheel Carriers for your Track.

7. Inserting Wheel Carriers into Track.

Model 1100-1: Insert Wheel Carriers in Motor Bracket end only, as follows:

Model 1100-2: Insert half of the Wheel Carriers in Motor Bracket end, and half in End Bracket end, as follows:



- ✓ Partially loosen Top Screws in Master Carriers.
- ✓ Loosen screw in Motor Bracket clamp. Pull Motor Bracket off end of Track and allow it to hang on Cable 2" off end of Track. Remove clamp from Track.
- ✓ Drive Cable **must** remain separated and laying in **outer** channels inside Track.
- ✓ Insert the number of Wheel Carriers from Step 6 into track. **CAUTION:** Wheel carriers must slide freely in the **inner** channels of Track. Drive Cable ends must lie in **outer** channels of Track.
- ✓ Replace clamp in Track but do not tighten screws. Hole in L-clamp should face into room.
- ✓ Pull Cable through Carriers causing Motor Bracket to be lifted until it touches Track. Manually slide Motor Bracket onto Track until it stops.

Model 1100-2: Repeat above at End Bracket side of Track and insert remaining half of Wheel Carriers.

- ✓ **Pull Cable to draw Motor Bracket and End Bracket tight against Track stops.**
- ✓ Hold tension on Cable and tighten Top Screws in Master Carriers.
- ✓ Tighten clamp screws to secure Motor Bracket and End Bracket to Track.
- ✓ Move Carriers back and forth. They should move freely, otherwise Drive Cable might be tangled.
- ✓ Tighten Tensioning Nut on end of Motor Bracket to compress springs 75% inside Track.

8. Attach Motor to Track and Test



- ✓ Motor has a panel with switches numbered 1 through 8; marked ON and OFF. These numbers correspond to the Transmitter button numbers. Set switch 1 to ON. All other switches **must** be set to OFF. To set multiple motors for individual control, each motor must be set to its own Switch number, 1, 2, 3, etc.
- ✓ Position Motor so that the Switch panel faces toward outside end of Track.
- ✓ Retract red latch in Motor Bracket and insert Motor drive end. Release latch. Motor must be secure.
- ✓ Plug AC-DC Adapter into side of Motor. Plug Adapter into wall outlet.
- ✓ Position IR Eye facing into room.
- ✓ Install batteries in Transmitter using proper +/- orientation. Otherwise, Transmitter will not function.

- ✓ **Test Motor using Transmitter and Wired Control Pad.** First, press Transmitter button #1, then press <> button, or >< button. Motor **runs only** when <> button or >< is pressed. Motor automatically stops when travel limit is reached. Motor also stops if either STOP button is pressed. Test wired Control Pad; press and release <> or >< button.

Note. If motor does not automatically stop when travel limit is reached, press STOP button. Tighten Tensioning Nut on end of Motor Bracket. Retry. If Tensioning Nut is all the way tight, loosen Nut most of the way. Next, partially loosen Top Screws in Carriers. Pull Cable taut; maintain tautness while tightening Top Screws in Carriers. Tighten Tensioning Nut 75%. Retry.

9. Crimp Drive Cable ends and cut-off excess.

- ✓ Slide the Crimp Sleeve on Drive Cable until it is against Carrier. Using pliers, firmly crush the Crimp Sleeve on Cable. Excess Cable can remain, or it can be cut-off. If cut, leave a 2" tail from newly crimped sleeve.

10. Hang Drapery on Track

- ✓ Height of drapery can be adjusted by moving the pleat hooks up or down.
- ✓ IR Eye has a small plastic clip in its housing. Carefully attach clip to edge of drapery with Eye facing into the room.

Add-a-Motor Model 1100 Remote Control Drapery System

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Product Description:


Motorized drapery track controlled by wireless Infrared (IR) remote control, and wired control pad. Indoor use only. Applications include residential & commercial window treatments, home theatre curtains, baptisteries, convention booths. Can replace existing drapery track and reuse fabric, or customer can purchase new fabric. Maximum finished Track length is 123- $\frac{1}{4}$ inches (10-feet, 3- $\frac{1}{4}$ "'). Finished length can be reduced with a single cut. Wall or ceiling mounted with included hardware. Home Automation/Home Theatre users can operate Track using available IR "learning" remote control. In event of power failure, drapery can be operated manually.

If Desired Track Length is shorter than 64- $\frac{1}{4}$ inches. Extension Track (B) is not used

Example: Desired Finished Track Length is 60 inches. Cut-off 4- $\frac{1}{4}$ inches from Factory Assembled Track (A) only.

First, complete Installation Steps 1 and 2 in Owners Manual, then do the following while referring to 4a photographs.

- A. Partially loosen screw in End Bracket clamp and remove clamp.
- B. Slowly pull End Bracket off end of Track. Drive Cable will follow.

 **Caution:** Carefully move Drive Cable out of cutting area, but leave as much Cable as possible inside Track.

- C. Cut-off required inches from Track (A). Deburr track edge and carefully remove all filings inside Track.
- D. Return Drive Cable to Track. Separate Cable ends and align with outer channels inside track.
- E. Go to Installation Step 4b in Owner Manual, complete balance of Installation steps, ignoring references to Track (B).

If Desired Track Length is between 64- $\frac{3}{8}$ and 68 inches.


If your Finished Track Length is greater than 64- $\frac{1}{4}$ " but less than 68", both Track (A) and Track (B) must be cut so that track Connector and End Bracket can be properly affixed. However, there are alternatives that help you avoid this step.

Alternate 1: Increase your Finished Track Length to 68" or more. Start at Installation Step 1 in Owners Manual.

Alternate 2: Decrease Finished Track Length to 64- $\frac{1}{4}$ "; use only Track (A). Start at Installation Step 1 in Owners Manual.

Example: Track Length must be 66- $\frac{1}{4}$ ". **Complete Installation Steps 1 and 2 in Owners Manual; review Steps 3 and 4.**

- A. Cut Track (B) so that its new total length is 10"; measured from track edge to track edge without counting Connector. Connector **must** remain attached to Track (B). Connector does not add length because it slides onto Track (A).
- B. In Track (A), partially loosen screw in End Bracket clamp and remove clamp. Carefully pull End Bracket off end of Track (A). Drive Cable will follow End Bracket.

 **Caution:** Carefully move Drive Cable out of cutting area, but leave as much Cable as possible inside Track.

- C. Cut 8" off Track (A). This makes Track (A) 56- $\frac{1}{4}$ " long after End Bracket is reattached.
- D. Return Drive Cable to Track (A). Separate Cable ends and align with outer channels inside track.
- E. Position Track (B) under Cable with Connector end facing Track (A). Slide Connector onto Track (A) until it stops.
- E. Go to **Step 4b** of Installation Instructions in Owners Manual.

Note: When Track (A) 56- $\frac{1}{4}$ " is joined with Track (B) 10", the required 66- $\frac{1}{4}$ " is obtained.

If Desired Track Length is greater than 123- $\frac{1}{4}$ ".

Two (2) Model 1100-I systems are required.

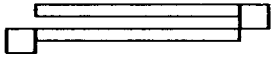
First system is installed as left opening; the second is installed as right-opening.

It is **essential** that both Extension Tracks (B) be trimmed equally so that drapery closes in middle.

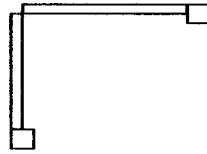
Start at Installation Step 1 in Owner Manual and complete instructions for first system, then second system.

Multiple track systems and configurations.

Two Model 1100-1s. Tandem opening, L & R.
Spans up to 20' 6-1/2"



Two Model 1100-1s.
Drapery over shears.



Two Model 1100-1s.
Corner window.

PROBLEM SOLVING**Transmitter does not work.**

- Verify that only one Motor Channel Switch is set ON. All others must be set OFF. Unplug AC-DC Adapter from wall outlet. Wait 10 seconds and plug in again. Press transmitter button that corresponds to Channel switch that is set ON, then press Transmitter <> or >< button.
- Verify that IR Eye is visible to transmitter. Reorient IR Eye.
- Test motor function with Wired Control Pad. If motor functions OK, check for correct battery +/- orientation in Transmitter battery compartment.

Motor does not automatically stop when track reaches travel limit. Cause: Drive Cable is slipping.

- Tighten Motor Bracket Tensioning Nut. Retry. If it is all the way tight, **loosen** Tensioning Nut most of the way. Next, loosen Top Screws in Carriers. Pull Cable taut; maintain tautness while tightening Top Screws in Carriers. Tighten Tensioning Nut 75%. Retry

Model 1100-1: In some cases drapery might travel an inch past end of track. If this is not acceptable, do the following.

Open drape half way and stop. Next, tighten Tensioning Nut on exterior of Motor Bracket to 90%. Loosen clamp screw of End Bracket. Slide clamp toward center of track, 1/2" off end of End Bracket and tighten screw. End Bracket will be held in place by tension on Drive Cable. Test drapery closure. Adjust location of clamp as needed by repeating above.

Model 1100-2: Drapery should close in the center with a partial overlap of the drapery panels. If drapery does not overlap, the Carriers are not positioned properly. In this event, loosen Tensioning Nut on exterior end of Motor Bracket, and loosen screws on top of both Carriers. Then, repeat Step 4b, Model 1100-2.

Replacement Parts

Extensions Track (B) with Connector	\$39.75
Transmitter	\$28.80
Drive Cable and un-crimped sleeve	\$16.30

Customer Service

Email: addamotor@cox.net Arizona: 480-836-8170 Toll-free: 888-233-6686 Mon - Fri, 8:30 AM to 4 PM pacific time.

Warranty

Add-a-Motor, Inc. provides a One-Year Limited Warranty for Model 1100 Systems. This product is warranted free of defects in materials and workmanship for a period of one year from date of purchase. Should a problem occur during the one-year period, please contact Add-a-Motor Customer Service and request a Return Authorization (RA) number. Carefully pack and seal defective item. Inside include copy of purchase receipt. Return by mail of freight prepaid to Add-a-Motor, Inc. 15821 E Jericho, Fountain Hills, AZ 85268. Write RA number on outside of carton. If our inspection shows the trouble was caused by defective materials or workmanship, Add-a-Motor, Inc. will repair or replace the nonconforming part without charge. This warranty does not apply where: repairs have been made or motor case has been opened, repairs are required because of normal wear and tear, product has been abused, misused or improperly maintained, malfunctions due to user fabrication errors, or alterations. IN NO EVENT SHALL ADD-A-MOTOR, INC. BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. ALL OTHER WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Correction of nonconformities as provided above shall be purchaser's exclusive remedy and shall constitute fulfillment of all liabilities of Add-a-Motor, Inc., whether in warranty, contract, negligence, tort or otherwise with respect to the equipment or part delivered hereunder. Returns: Product that was user modified in any manner cannot be returned, or is subject to a restocking charge.