

## Linear MCS412001

# Linear MCS412001 Multi-Code 2-Channel Visor Transmitter Instruction Manual

## 1. PRODUCT OVERVIEW

The Linear MCS412001 Multi-Code 2-Channel Visor Transmitter is designed for use with automatic door and gate operator applications. This portable transmitter features raised dimples on its buttons for easy identification, including for vision-impaired users. It operates on a 9-volt battery and includes a visor clip for convenient mounting.

The transmitter utilizes a multi-code format with two 10-position coding switches, offering 1,024 possible codes per channel. This allows for independent coding to activate different devices, such as a common gate and a private door. The transmitter will only activate receivers that are set with the identical code.





Front view of the Linear MCS412001 Multi-Code 2-Channel Visor Transmitter.

### Key Features:

- Easy access to battery and coding switches.
- 1,024 possible codes per channel for enhanced security.
- Powered by a standard 9-Volt battery (included).
- Includes a durable visor clip for vehicle mounting.
- Compatible with 300 MHz multi-code receivers, including models 109950 and 302850.

## 2. SETUP AND CODING INSTRUCTIONS

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Before placing your transmitter into service, it is essential to set your codes to ensure security and prevent interference with neighboring systems. The model 4120 transmitter features two 10-position coding switches. Avoid using several common coding schemes (e.g., ALL ON, ALL OFF, 2, 4, 6, 8, 10 ON; 1, 3, 5, 7, 9 ON) as these positions are frequently used or similar to other manufacturers' test positions.

## 300Mhz Garage Door and Automatic Gate Opener Remote

### Coding Instructions

#### CODING

Before placing your transmitter into service, we urge you to set your codes, in order not to interfere with neighboring systems, and to provide security for your own system. You will note that the model 4120 transmitter has two, ten position code switches (see figure 1). We strongly urge that several coding schemes be avoided: ALL ON; ALL OFF; 2, 4, 6, 8, 10, ON; 1, 3, 5, 7, 9, ON. These positions are similar to our or other manufacturer's test positions, or are frequently used.



**If you have two single channel receivers:** Set your transmitter so that the ten position switch on side A will match your receiver #1. Set the ten position switch on transmitter side B to your receiver #2 (see figure 2).



**If you have a MULTI-CODE™ 3021 or 3028 two channel receiver:** Set the receiver and transmitter (side A and B) code switch positions 1-9 to match. The 10th position on your transmitter code switches are used for channel selection.

Channel 1 on the receiver is selected by moving the 10th position of the transmitter side A to the off (open) position. Channel 2 is selected by moving the 10th position of the transmitter side B to the on (closed) position. Once the codes have been set, check the operation and replace the lower cover.

#### TRANSMITTER INSTALLATION

The transmitter is completely self contained, including battery, and can be operated while mounted in the car. It is supplied with a clip for attaching to the sun visor, if desired. If the clip is used, attach to the case by sliding it into the recess provided on the back of the transmitter until the small dimples fit into the holes in the clip.

#### WARRANTY

ALL MULTI-CODE door related products carry a eighteen (18) month warranty against defects in workmanship or material. This warranty begins at the date of manufacture, for eighteen months. Linear LLC warrants our product only to our authorized dealers and distributors, and not to the end customer. If you have any questions about our warranty, please ask your dealer to determine the nature and scope of his warranty. Linear LLC does not assume, and is not responsible for, any real or consequential damages from claims against the performance of our product, nor is it liable for any costs related to loss of life, property, or revenue. Further, Linear LLC is in no way responsible for installation of our product, and will assume no costs to reinstallation or removal. Linear LLC Warranty is in lieu of all other warranties, expressed, or implied.

Internal view of the coding switches (Figure 1).

### Setting the Code Switches:

1. Open the transmitter case to access the coding switches.
2. **For a single receiver:** Set the ten position switch on the transmitter to match your receiver's code.
3. **For two single channel receivers:** Set the ten position switch on Side A of the transmitter to match your first receiver (#1). Set the ten position switch on Side B of the transmitter to match your second receiver (#2).
4. **For a MULTI-CODE™ 3021 or 3028 two-channel receiver:** Set the receiver and transmitter (Side A and B) code switch positions 1-9 to match. The 10th position on your transmitter code switches is used for channel selection. Channel 1 on the receiver is selected by moving the 10th position of the transmitter side A to the OFF (open) position. Channel 2 is selected by moving the 10th position of the transmitter side B to the ON (closed) position.
5. Once the codes have been set, check the operation and replace the lower cover.

### Transmitter Installation:

The transmitter is a self-contained unit, including the battery, and can be operated while mounted in your vehicle. It is supplied with a clip for attaching to the sun visor. If desired, slide the clip into the recess provided on the back of the transmitter until it snaps into place.





Back view with visor clip attached.

### 3. OPERATING INSTRUCTIONS

The Linear MCS412001 transmitter features two distinct buttons for operation:

- The **left button** controls Signal One.

- The **right button** controls Signal Two.

Press the desired button firmly to activate the corresponding channel. The red indicator light on the transmitter will illuminate during transmission.

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Video demonstrating the features and operation of the Linear MCS412001 Multi-Code 2-Channel Visor Transmitter.

## 4. BATTERY INFORMATION AND MAINTENANCE

The Linear MCS412001 transmitter is powered by one 9-volt alkaline battery, which is included with the unit. The average battery life is approximately 17,520 hours under normal usage conditions.

### Battery Replacement:

1. To replace the battery, carefully open the transmitter case.
2. Remove the old 9-volt battery.
3. Insert a new 9-volt alkaline battery, ensuring correct polarity.
4. Close the transmitter case securely.

Regularly check the transmitter's operation. If the indicator light dims or the range decreases, it may be time to replace the battery.

## 5. TROUBLESHOOTING

If your Linear MCS412001 transmitter is not functioning as expected, consider the following troubleshooting steps:

- **Check Battery:** Ensure the 9-volt battery is properly installed and has sufficient charge. A weak battery can result in reduced range or intermittent operation. Replace the battery if necessary.
- **Verify Code Settings:** Confirm that the 10-position coding switches inside the transmitter are set to exactly match the code switches on your receiver(s). Any discrepancy will prevent activation. Refer to Section 2 for detailed coding instructions.
- **Receiver Compatibility:** Ensure your receiver is compatible with 300 MHz multi-code transmitters. This transmitter is compatible with multi-code receivers and models 109950 and 302850.
- **Obstructions/Interference:** Large metal objects, walls, or other electronic devices can interfere with the signal. Try operating the transmitter from a different location or closer to the receiver.
- **Indicator Light:** Observe the test/operate indicator light. If it does not illuminate when a button is pressed, the battery may be dead or there could be an internal issue.

If these steps do not resolve the issue, please contact customer support.

## 6. SPECIFICATIONS

Attribute	Value
Brand	Linear
Model Number	MCS412001

Color	Soft Gray
Style	Modern
Item Weight	4 ounces (0.25 Pounds)
Product Dimensions	3.75 x 2.5 x 3.75 inches
Batteries	1 Product Specific 9-Volt Alkaline battery (included)
Average Battery Life	17520 Hours
Channels	2
Coding Switches	Two 10-position
Possible Codes	1,024 per channel
Frequency	300 MHz
Included Components	Transmitter, 9-Volt Battery, Visor Clip



Product dimensions illustration.

## 7. WARRANTY INFORMATION

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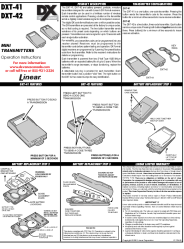
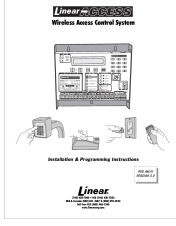
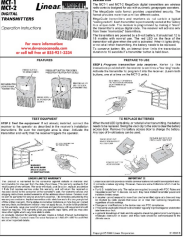

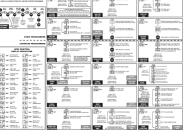
## 8. CONTACT AND SUPPORT

For further assistance, technical support, or warranty claims, please contact your authorized Linear dealer or



distributor. You may also visit the official Linear website for additional resources and contact information.

## Related Documents - MCS412001

	<p><a href="#">Linear Wireless Entry Systems: Keypads and Controllers</a></p> <p>Explore Linear's range of wireless entry systems, including MDKP keypads, AP-5 controllers, and various AK-series keypads for secure access control in residential, commercial, and industrial applications.</p>
	<p><a href="#">Linear DXT-41 DXT-42 Mini Transmitters Operation Instructions</a></p> <p>Official operation instructions for Linear DXT-41 and DXT-42 miniature wireless transmitters. Learn about product features, configurations, battery replacement, FCC compliance, and warranty.</p>
	<p><a href="#">Linear AM/II Wireless Access Control System: Installation &amp; Programming Guide</a></p> <p>Comprehensive installation and programming instructions for the Linear AM/II Wireless Access Control System, covering features, setup, and operation. Learn about its wireless capabilities, Wiegand/RS-232 interfaces, and networking options.</p>
	<p><a href="#">Linear MCT-1/MCT-2 MegaCode Digital Transmitters: Operation Instructions &amp; Programming Guide</a></p> <p>Operation instructions for Linear MCT-1 and MCT-2 MegaCode digital transmitters. Learn about features, programming, battery replacement, warranty, and important FCC information for these secure wireless garage and gate remote controls.</p>
	<p><a href="#">Linear LDCO801 DC Motor Garage Door Opener: Homeowner's Instructions and Maintenance Guide</a></p> <p>Comprehensive homeowner's instructions for the Linear LDCO801 DC Motor Garage Door Opener. Covers operation, remote control setup, maintenance, safety testing, troubleshooting, and warranty information.</p>
	<p><a href="#">Linear APeX v1.4 Gate Controller Quick Programming Guide</a></p> <p>A comprehensive guide to programming the Linear APeX v1.4 Gate Controller, detailing basic and advanced functions, settings, and display indications for gate operator systems.</p>