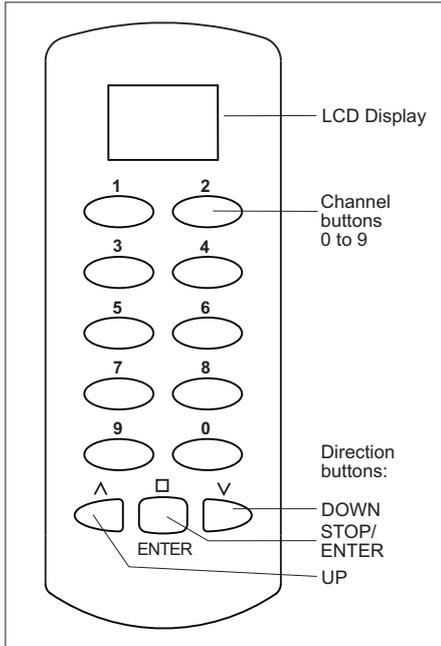


Models



RT31-4139M-02 (direction)	433.92 MHz
RT31-5039M-02 (direction)	868.30 MHz

Technical Details

Frequency:	433.92 or 868.30 MHz
Modulation:	ASK
Channel:	999
Power supply:	1 x 3 V-Battery, CR2032
Indicator:	Display (LCD)
Current consumption:	approx. 10.4 mA
Degree of Protection:	IP54
Operating temperature:	0°C to +50°C
Range:	approx. 150 m at optimal free field conditions
Dimensions W/L/T:	60/150/22 mm
Weight:	approx. 100 g

Safety Advice



Before using the transmitter, carefully read these operating instructions!

Also read the operating instructions of the radio control(s)!

Never operate doors or other devices which are out of your sight. Persons could be endangered!

At regular intervals make sure that the unit is ready to transmit!

Do not make any unauthorized changes or modifications to the Multi Channel Transmitter!

Have faulty transmitters checked by the manufacturer!

Scope of Delivery

Multi Channel Transmitter inc. battery,
Programming cable, Operating instructions

Intended Use

The Multi Channel Transmitter has been designed to operate ELDAT radio receivers. The manufacturer shall not be liable for any damage caused by improper or non-intended use!

Function

With the Multi Channel Transmitter RT31 a direction code (UP-STOP-DOWN) can be sent to a radio control.

A channel is selected by pressing a three-digit channel number and then pressing one of the three direction buttons.

The Multi Channel Transmitter is supplied factory-coded. You can change the coding (see "Code Changing Modes") and store up to 999 different codes.

Used the Transmitter

1. Type in the channel number by pressing the respective button combination. The channel number is shown on the Display. 
2. Now press one of the direction buttons (UP-STOP-DOWN). The transmission symbol is shown on the display and the transmitter transmits for max. 36 seconds. 

After releasing the button the transmitter stays active for 12 seconds. In this time transmission can be activated again immediately by pressing one of the direction buttons (UP-STOP-DOWN).

You cannot send with the button 0.

Transferring Codes

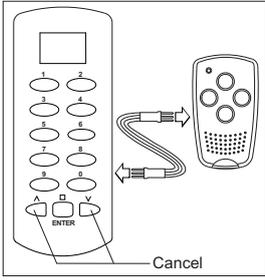
Individual button codes can be transferred from existing transmitters. Similarly, individual codes of the Multi Channel Transmitter can be transferred to other transmitters.

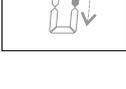
Both transmitters (source transmitter and target transmitter) must offer the direction function in order to be able transfer direction codes (UP-STOP-DOWN) from one transmitter to the other. If in doubt consult your retailer or the manufacturer.



Press the UP or the DOWN button to cancel the memorizing process.

A Transmitter to Multi Channel Transmitter

1. Connect the hand transmitter and Multi Channel Transmitter with the programming cable. 

2. Keep button 2 on the Multi Channel Transmitter pressed until the memorizing symbol display flashes in the display. 
3. Press Enter. The symbol in the display is shown continuously. 
4. Type the channel number into the Multi Channel Transmitter. Press and hold down the ENTER button. The display shows the memorizing process. 


5. Within 10 s press the button of the hand transmitter of which the code is supposed to be transferred.

Keep it pressed until the display shows the completed process. 

6. Release both buttons and remove the programming cable.

B Multi Channel Transmitter to Transmitter

1. Connect the Multi Channel Transmitter and the hand transmitter with the programming cable.
2. Type the channel number into the Multi Channel Transmitter and keep the ENTER button pressed. The transmission process is displayed. 

3. On the hand transmitter keep the channel button pressed of which the code is supposed to be transferred. The LED of the hand transmitter flashes rapidly and lights up continuously after the code has been memorized.
4. Release the keys and remove the programming cable.

C Multi Channel Transmitter RT31 to Multi Channel Transmitter RT31

1. Connect the source and target transmitters with the programming cable.
2. Keep button 2 on the Multi Channel Transmitter pressed until the memorizing symbol display flashes in the display. 
3. Press Enter. The symbol in the display is shown continuously. 
4. Type the channel number into the target transmitter. Press and hold down the ENTER button. The display shows the memorizing process. 

5. Type the channel number into the source transmitter. Press and hold down the ENTER button. The display shows the transmission process. 


The display of the target transmitter shows the completed process. 
6. Release both ENTER buttons and remove the programming cable.

Duplicating Multi Channel Transmitter RT31

The codes of all the buttons can be transferred from one Multi Channel Transmitter to another Multi Channel Transmitter at once.

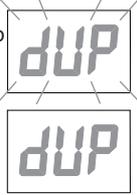
Press Up or DOWN to abort the duplication process.

Please note that all codes which have already been transferred are stored in the target transmitter!

Duplicating Multi Channel Transmitter RT31

1. Connect both Multi Channel Transmitters with the programming cable.

2. On the target transmitter keep the 0 button pressed until the duplication symbol flashes in the display and hold than the Enter-button pressed. The symbol in the display is shown continuously.

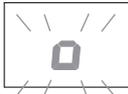


4. Within 10 seconds press the button of the source transmitter briefly and then the ENTER-button. You can release the ENTER-button of the target transmitter now.

The display shows the duplicating process on both Multi Channel Transmitters.



5. As soon as the duplication process is completed the symbol on the right flashes on the display.

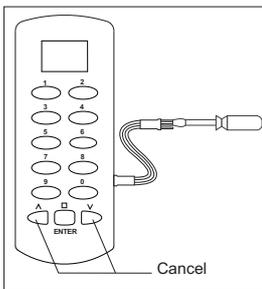


6. Remove the programming cable.

Random Coding

A new code can be programmed for each channel button of the Multi Channel Transmitter.

1. Insert the programming cable into the socket on the Multi Channel Transmitter, and short-circuit one of the outer pins with the middle pin.



The connection of the pins must be kept until the random coding process is completed.

2. On the target transmitter keep the 1 button pressed until the random coding symbol flashes in the display.



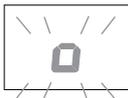
3. Press Enter. The symbol in the display is shown continuously.



4. Within 10 seconds type in the channel number for which the random code is supposed to be memorized. Then hold down the middle ENTER-button. The display shows the process.



As soon as the process is completed the symbol on the right flashes on the display. Release the ENTER button.

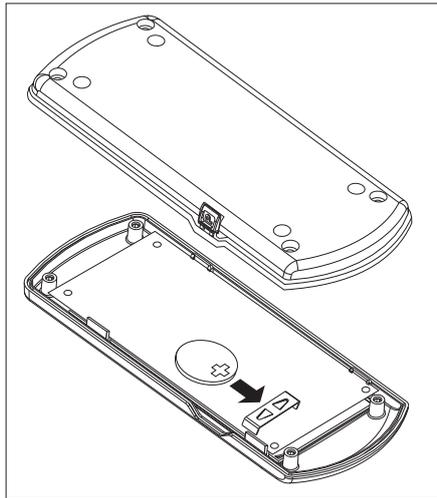


5. Remove the programming cable.

6. Transfer the new coding to the radio control! For this also see the operating instructions of the radio control.

Replacing the Battery

1. Unscrew the battery housing cover.



2. Remove the old battery.

3. Insert a new 3 V battery. Use only batteries of type Cr2032.

Make sure the polarity is correct!

4. Screw the battery housing cover back on.

Caution!

Keep batteries out of the reach of children!

Cleaning

Carefully wipe the housing with a damp lint free cloth.

Do not use solvent-based cleaning agents. These can damage your health and destroy the surface of the housing.

Trouble Shooting

The display only lights up faintly:
Change the batteries.

The display does not light up at all:
Check the polarity of the batteries.

Move closer to the radio receiver or memorize the Multi Channel Transmitter channels in the radio receiver again.

General Information

Disposal

Waste electrical products may not be disposed of with household waste!

Dispose of the waste product via a collection point for electronic scrap or via your specialist dealer.



Dispose of used batteries in a recycling bin for batteries or via the specialist trade.

Put the packaging material into the recycling bins for cardboard, paper and plastics.



Warranty

Within the statutory warranty period we undertake to rectify free of charge by repair or replacement any product defects arising from material or production faults.

Any unauthorized tampering with, or modifications to, the product shall render this warranty null and void.

Conformity

This product conforms to the basic requirements of the R&TTE Directive 1999/5/EC.



The Declaration of Conformity can be found on the Internet at: www.eldat.de.

Customer Service

If, despite correct handling, faults or malfunctions occur or if the product was damaged, please contact the company at the address below:

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15711 Königs Wusterhausen
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