



**WIRELESS SOLUTIONS**

# **700PROC Copy Module TeleChief®/Echo Series**

## **Instruction Manual**

Failure to return the Warranty Registration document (enclosed) to Control Chief within 30 days of purchase will void any warranty responsibilities on behalf of Control Chief Corporation

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Control Chief Corporation, a world leader in wireless radio and infrared remote control products, has developed and expanded upon this powerful technology. More than three decades of experience in designing, manufacturing, and installing state-of-the-art remote communication systems emphasize Control Chief's mission.

Our systems are tailored to virtually any environment or application. Control Chief provides training, technical support, and comprehensive system design to maximize performance. It is our honor to uphold this reputation of innovative engineering and superior product performance.

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## Telechief Series

<b>1.1</b>	<b><u>Telechief Series Instructions</u></b>	<b>1</b>
1.1.1	<u>Application</u>	1
<b>1.2</b>	<b><u>Operation</u></b>	<b>2</b>
1.2.1	<u>Procedure for uploading to the TX from the Copy Module</u>	2
1.2.2	<u>Procedure for uploading to the RX from the Copy Module</u>	3
1.2.3	<u>Procedure for downloading from the TX to the Copy Module</u>	4
1.2.4	<u>Procedure for downloading from the RX to the Copy Module</u>	5
<b>1.3</b>	<b><u>Echo Series Instructions</u></b>	<b>6</b>
1.3.1	<u>Application</u>	6
<b>1.4</b>	<b><u>Operation</u></b>	<b>7</b>
1.4.1	<u>Procedure for uploading to the TX from the Copy Module</u>	7
1.4.2	<u>Procedure for uploading to the RX from the Copy Module</u>	8
1.4.3	<u>Procedure for downloading from the TX to the Copy Module</u>	9
1.4.4	<u>Procedure for downloading from the RX to the Copy Module</u>	10
<b>1.5</b>	<b><u>Telechief Series &amp; Echo Series Information</u></b>	<b>11</b>
1.5.1	<u>Controls</u>	11
1.5.2	<u>Precautions</u>	11
1.5.3	<u>Battery installation</u>	12

## Telechief Series & Echo Series

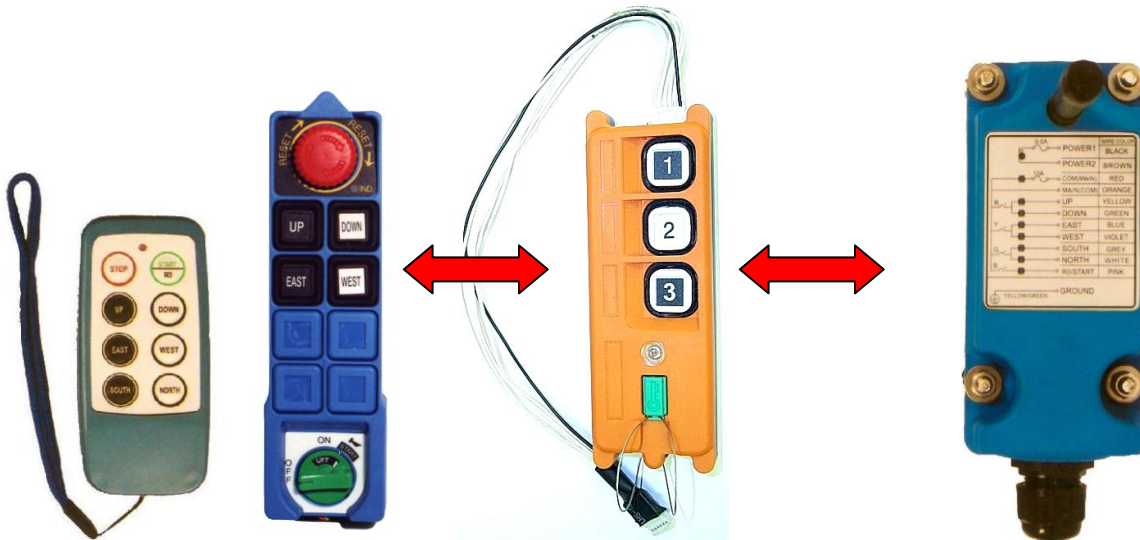
<b>1.5</b>	<b><u>Telechief Series &amp; Echo Series Information</u></b>	<b>11</b>
1.5.1	<u>Controls</u>	11
1.5.2	<u>Precautions</u>	11
1.5.3	<u>Battery installation</u>	12

## 1.1 Telechief Series Instructions

### 1.1.1 Application

Use the Copy Module to memorize the existing button functions and ID number from a Transmitter (TX) or Receiver (RX) that you can then download to the new TX or RX quickly and efficiently. The copy module will not memorize (frequency) channels; this must be done by changing the quartz crystal inside the Transmitter (TX) and the Receiver (RX). *It is imperative that the (TX) and the (RX) quartz crystals match.* The Copy Module holds three (3) upload or download functions from or to the TX or RX by buttons 1/2/3.

The copy module can also be used to update the button functions, and ID number to an existing Transmitter (TX) or Receiver (RX). When this is done, it is important to **upload the new settings in the memory of the copy module (as sent by Control Chief Corporation) into both the receiver and the transmitter.** The copy module will typically be labeled when it comes preprogrammed, but it is safe to assume that button 1 of the copy module contains your new system data if there is no label.



TELECHIEF TRANSMITTERS

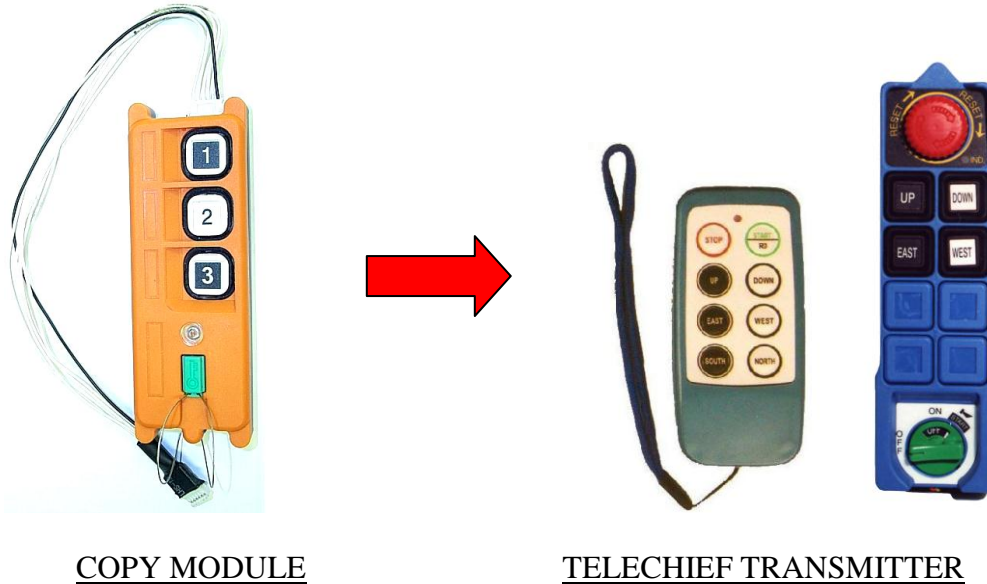
COPY MODULE

TELECHIEF RECEIVER

TM2000  
 TM4000  
 TM6000  
 TM2200HT

## 1.2 Operation

### 1.2.1 Procedure for uploading to the TX from the Copy Module



COPY MODULE

TELECHIEF TRANSMITTER

1. Remove the Magnetic Key from the Copy Module (OFF) and remove the batteries from the transmitter
2. Connect the interface cable from the Copy Module to the TX'S programming port that is located in the battery compartment.
3. Press and hold the Copy Module's button that was used to memorize the required functions for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
4. Unplug the interface cable.

**Remark:**

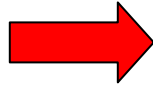
After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

In cases where there are more than one configuration file saved in the copy module, you are advised to make a record of what was stored with which button number for future reference.

### 1.2.2 Procedure for uploading to the RX from the Copy Module



COPY MODULE



TELECHIEF RECEIVER

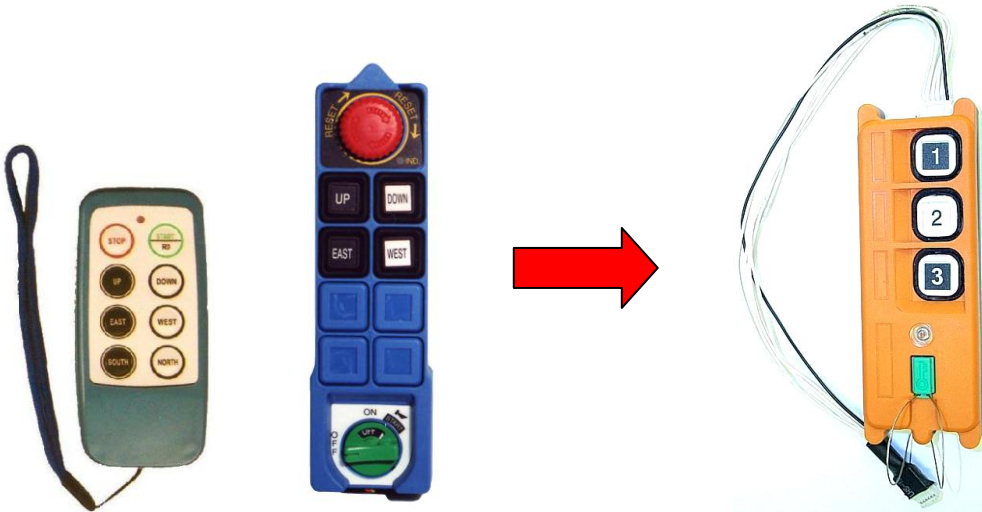
1. **Turn off the RX power supply;** otherwise it will damage the RX's memory IC (EEPROM).
2. Take the magnetic key out of the Copy Module (OFF).
3. Connect the interface cable from the Copy Module to the RX'S programming port that is located inside the receiver.
4. Press and hold the Copy Module's button that was used to memorize the required functions for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
5. Unplug the interface cable.

**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

In cases where there are more than one configuration file saved in the copy module, you are advised to make a record of what was stored with which button number for future reference.

### 1.2.3 Procedure for downloading from the TX to the Copy Module



TELECHIEF TRANSMITTERS

COPY MODULE

1. Place the Magnetic Key into the Copy Module (ON) and remove the batteries from the transmitter
2. Connect the interface cable from the Copy Module to the TX.
3. Press and hold one of the Copy Module's buttons you wish to use for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
4. Unplug the interface cable.

**Remark:**

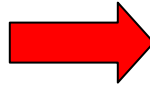
After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

In cases where there are more than one configuration file saved in the copy module, you are advised to make a record of what was stored with which button number for future reference.

### 1.2.4 Procedure for downloading from the RX to the Copy Module



TELECHIEF RECEIVER



COPY MODULE

1. **Turn off the RX power supply;** otherwise it will damage the RX's memory IC (EEPROM).
2. Place the Magnetic Key into the Copy Module (ON).
3. Connect the interface cable from the Copy Module to the RX.
4. Press and hold one of the Copy Module's buttons you wish to use for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
5. Unplug the interface cable.

**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

In cases where there are more than one configuration file saved in the copy module, you are advised to make a record of what was stored with which button number for future reference.

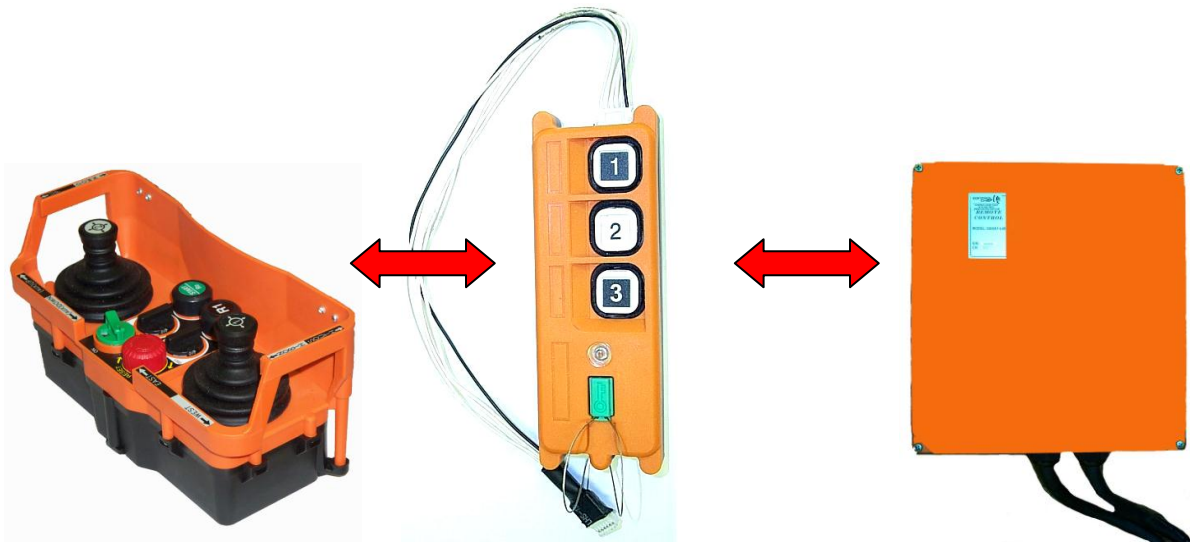


## 1.3 Echo Series Instructions

### 1.3.1 Application

Use the Copy Module to memorize the existing TX functions and ID number from a Transmitter (TX) or Receiver (RX) that you can then download to the new TX or RX quickly and efficiently. The copy module will not memorize (frequency) channels. This must be done by changing the quartz crystal inside the Transmitter (TX) and the Receiver (RX). It is imperative that the (TX) and the (RX) quartz crystals match. The Copy Module holds only one (1) upload or download function from or to the TX or RX by buttons 1/2/3.

The copy module can also be used to update the TX functions, and ID number to an existing Transmitter (TX) or Receiver (RX). When this is done, it is important to **upload the new settings in the memory of the copy module (as sent by Control Chief Corporation) into both the receiver and the transmitter.** The copy module will typically be labeled when it comes preprogrammed but it is safe to assume that button 1 of the copy module contains your new system data if there is no label.



ECHO SERIES TRANSMITTER  
EL5400

COPY MODULE

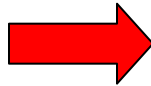
ECHO SERIES RECEIVER

## 1.4 Operation

### 1.4.1 Procedure for uploading to the TX from the Copy Module



COPY MODULE



ECHO SERIES TRANSMITTER

1. Remove the Magnetic Key from the Copy Module (OFF) and remove the batteries from the transmitter
2. Connect the interface cable from the Copy Module to the TX.
3. Press and hold the Copy Module's button that was used to memorize the required functions for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
4. Unplug the interface cable.

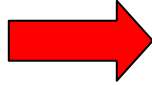
**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

### 1.4.2 Procedure for uploading to the RX from the Copy Module



COPY MODULE



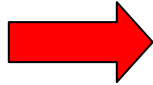
ECHO SERIES RECEIVER

1. **Turn off the RX power supply;** otherwise it will damage the RX's memory IC (EEPROM).
2. Take the magnetic key out of the Copy Module (OFF).
3. Connect the interface cable from the Copy Module to the RX.
4. Press and hold the Copy Module's button that was used to memorize the required functions for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
5. Unplug the interface cable.

**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

### 1.4.3 Procedure for downloading from the TX to the Copy Module



ECHO SERIES TRANSMITTER

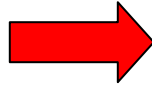
COPY MODULE

1. Place the Magnetic Key into the Copy Module (ON) and remove the batteries from the transmitter
2. Connect the interface cable from the Copy Module to the TX.
3. Press and hold one of the Copy Module's buttons you wish to use for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
4. Unplug the interface cable.

**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

#### 1.4.4 Procedure for downloading from the RX to the Copy Module



ECHO SERIES RECEIVER

COPY MODULE

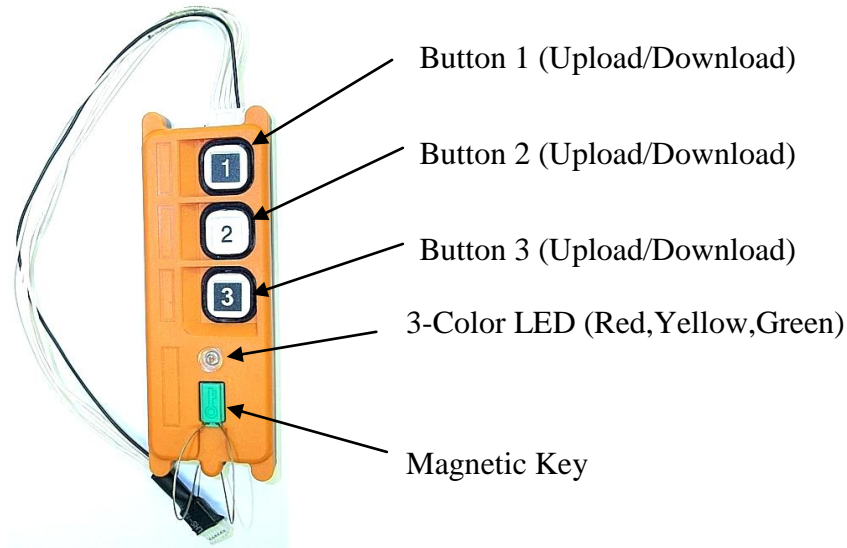
1. **Turn off the RX power supply;** otherwise it will damage the RX's memory IC (EEPROM).
2. Place the Magnetic Key into the Copy Module (ON).
3. Connect the interface cable from the Copy Module to the RX.
4. Press and hold one of the Copy Module's buttons you wish to use for about 2 seconds until the Copy Module's LED illuminates green. (It is abnormal if the Copy Module's LED illuminates red.)
5. Unplug the interface cable.

**Remark:**

After the memorizing operation is completed, the same button used to store the configuration data must be used to download the required functions to the same model of radio remote control.

## 1.5 Telechief Series & Echo Series Information

### 1.5.1 Controls



### 700PROC COPY MODULE

### 1.5.2 Precautions

1. Copy Module will not successfully upload/download if the memorized functions are from a different model of radio remote control.
2. When using the Copy Module for copying/memorizing to/from, one **must turn Off the RX power supply and remove the batteries from the transmitter**; otherwise it will damage the RX's memory IC (EEPROM).
3. Functions must be memorized into the Copy Module when uploading; otherwise neither the TX nor the RX will work.
4. It is normal if the Copy Module's LED illuminates red when pressing buttons on the Copy Module to test without being connected to a TX or RX.
5. When not in use, please remove the magnetic key from the Copy Module to save power.
6. If the Copy Module's battery power is insufficient, the Copy Module's LED will illuminate red, yellow, and green sequentially.
7. It is abnormal if the Copy Module's LED illuminates red when copying; please contact **Control Chief** for technical assistance.
8. When trying a new configuration setting from the copy module for your Telechief system, it might save trouble later if first you download your existing settings file into an unused button in the copy module (i.e. button 3).

### 1.5.3 **Battery installation**

1. Unscrew the four (4) screws on the bottom cover of the Copy Module with a Phillips head screwdriver.
2. Open the bottom cover of the Copy Module and place two (2) AA-size 1.5V alkaline batteries paying attention to their polarity.
3. Put the bottom cover on the Copy Module and tighten the four (4) screws.
4. Remove batteries if Copy Module is not to be used for over one (1) week's time to avoid potential damage due to leaking batteries.

***Note: Copier retains memory *without* batteries installed.***

## **NOTES**

Questions?

Technical assistance is available from Control Chief.

Please call us at 814-362-6811 or email the Service Department at [prodserv@controlchief.com](mailto:prodserv@controlchief.com)



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