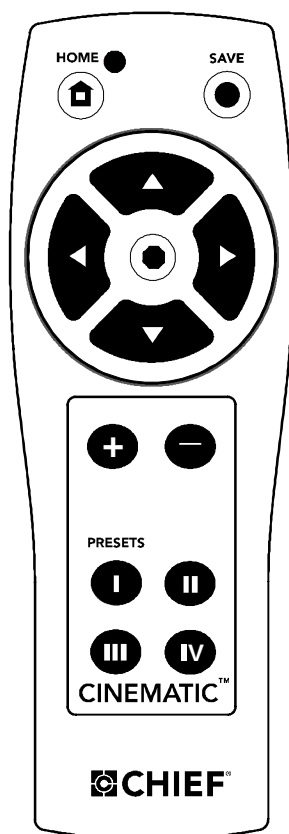

INSTALLATION INSTRUCTIONS



Infrared Remote Control Accessory

DISCLAIMER

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IMPORTANT SAFETY INSTRUCTIONS



WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.



CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.



WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.



WARNING: Use this accessory only for its intended use as described in these instructions.



WARNING: Never operate this accessory if it is damaged. Return the accessory to a service center for examination and repair.



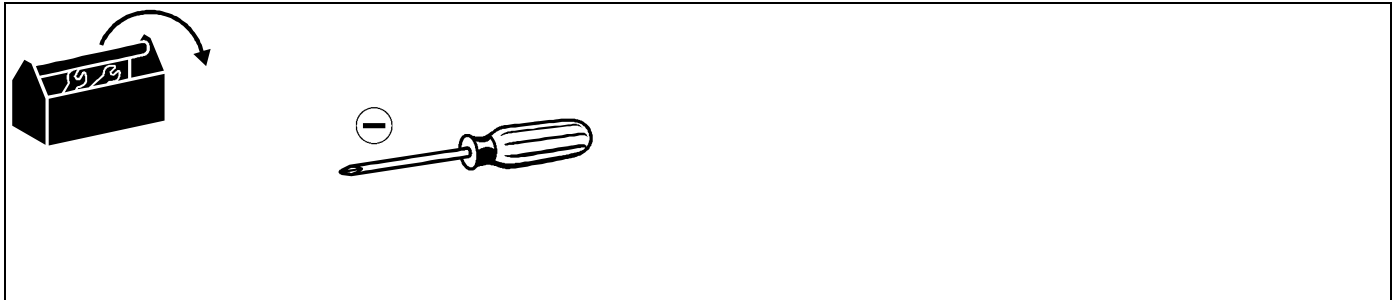
WARNING: Do not use this product outdoors.

--SAVE THESE INSTRUCTIONS--

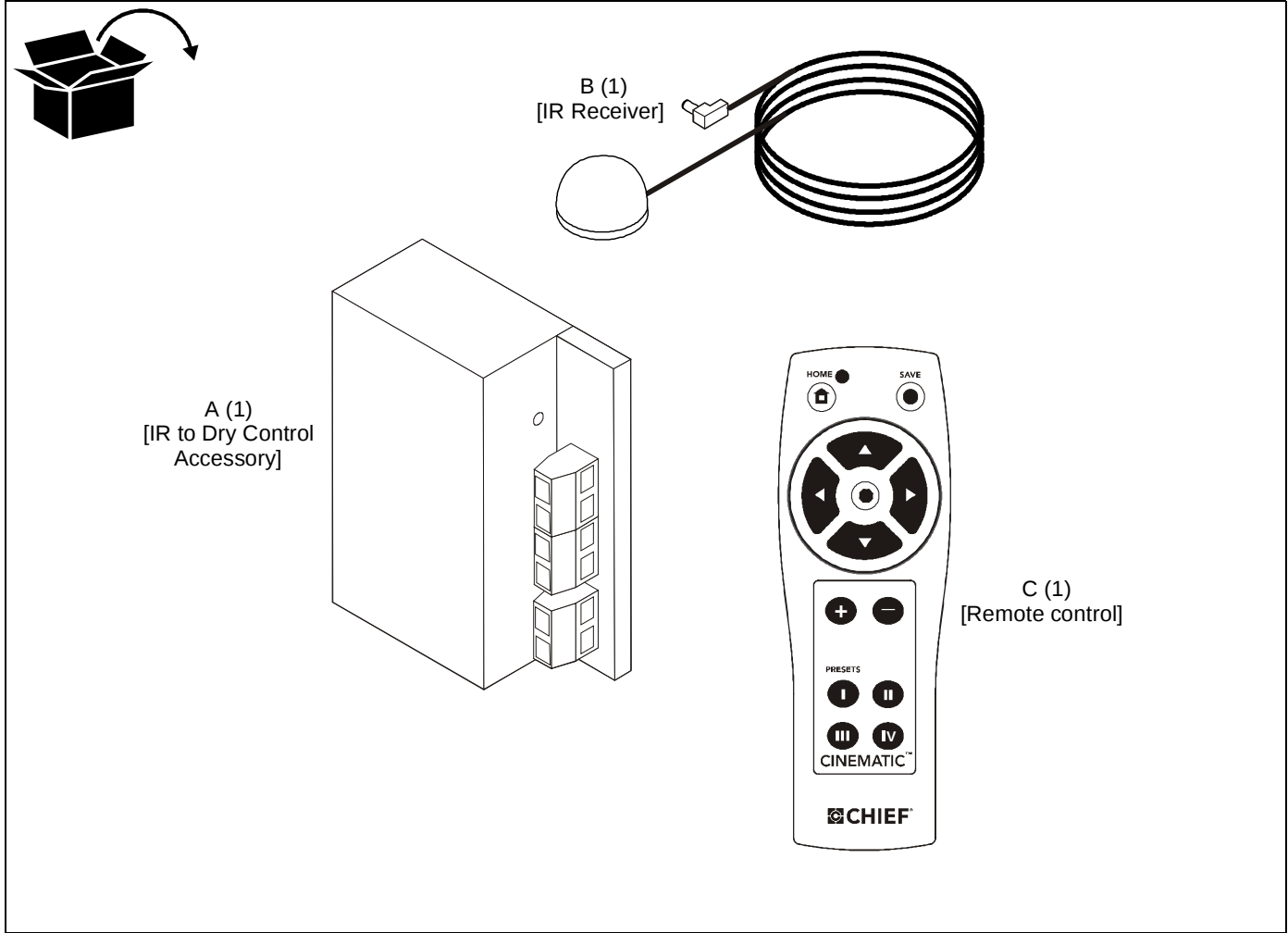
LEGEND

Tighten Fastener		Loosen Fastener	
	Apretar elemento de fijación		Aflojar elemento de fijación
	Befestigungsteil festziehen		Befestigungsteil lösen
	Apertar fixador		Desapertar fixador
	Serrare il fissaggio		Allentare il fissaggio
	Bevestiging vastdraaien		Bevestiging losdraaien
	Serrez les fixations		Desserrez les fixations
	Сожмите Застежку		Ослабьте Застежку

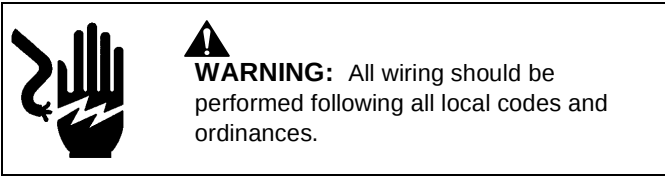
TOOLS REQUIRED FOR INSTALLATION



PARTS



INSTALLATION



NOTE: This device can provide control of any device set up for momentary dry contact inputs. See **Dry Contact Closures** section.

Locate and Install IR Receiver

The IR receiver consists of two parts. The IR to dry control accessory (A) and the IR Receiver (B).

To install the IR Receiver:

1. Determine a location to place the IR to Dry Control accessory (A) box taking into consideration the desired location of the IR Receiver (B), as well as access to the box to connect control wiring after installation.
2. Connect IR Receiver (B) to the IR to Dry Control accessory (A).
3. Route IR receiver (B) to desired mounting location and secure.

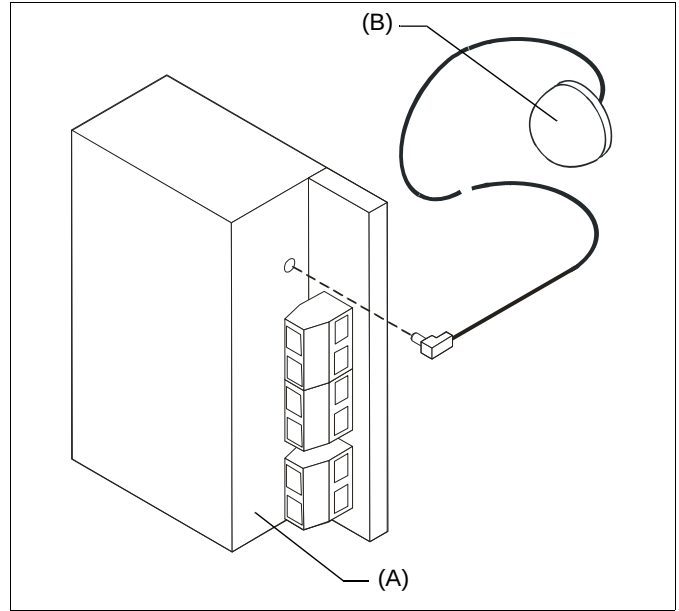


Figure 1

NOTE: The IR10 can use 12V through 24V power that can be obtained directly from the control boards within some Chief automated products.

Table 1: Chief Product Connections to IR-10

IR-10	SL-150 Internal	SL-150 External	SL-236 Internal	SL-236 External	PCL	PUL
+12V	4 (12V DC)	10 (12V DC)	4 (12V DC)	10 (12V DC)	4 (12V DC)	4 (12V DC)
GND	3 (ground)	9 (ground)	3 (ground)	9 (ground)	3 (ground)	3 (ground)
C1	12 (retract)	3 (retract)	12 (retract)	3 (retract)	12 (retract)	11 (extend)
C2	11 (extend)	4 (extend)	11 (extend)	4 (extend)	11 (extend)	12 (retract)
C3	No Connection	No Connection	9 (service)	11 (service)	No Connection	No Connection
COMM	13 (ground)	9 (ground)	13 (ground)	9 (ground)	13 (ground)	13 (ground)

NOTE: If remote does not operate properly see the installation instructions provided with mount, or contact a Chief Customer Service Representative.

4. Using a slotted screwdriver, connect power and signal wires to the IR to Dry Control accessory (A). (See Figure 2)

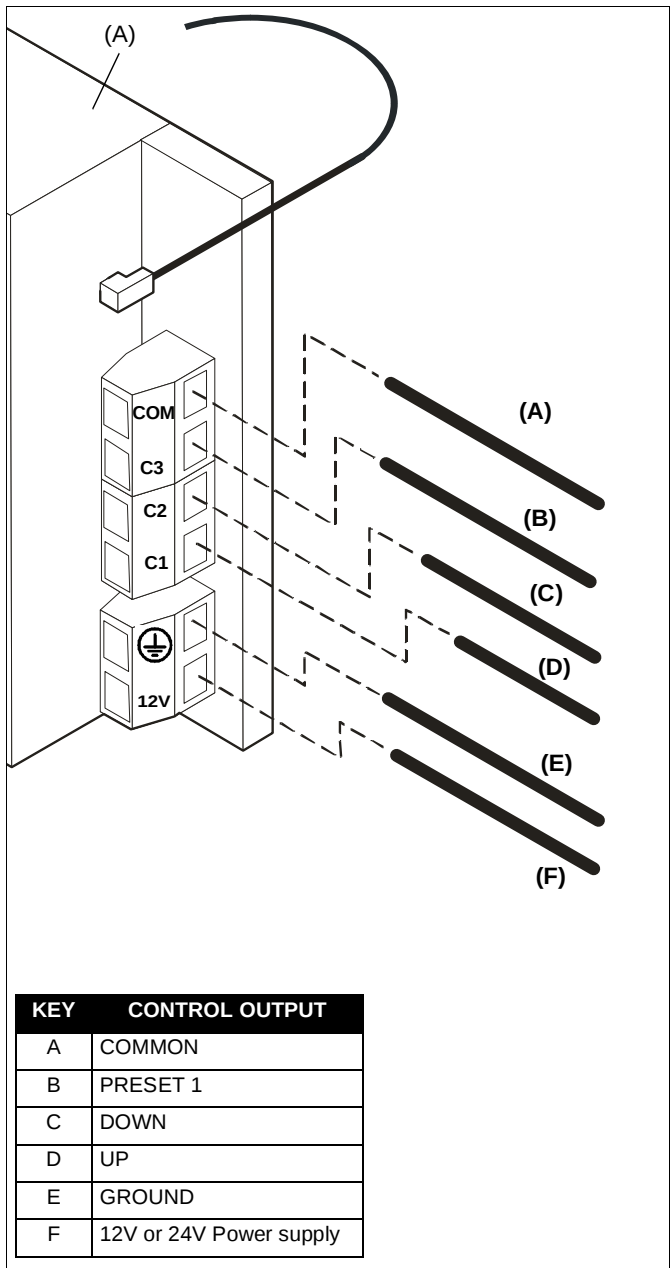


Figure 2

The remote control has a range of 20-30 ft (6-9m), and is powered by 2 AAA batteries.

IMPORTANT ! : Power must be provided to device and IR receiver must be installed in order to access extended IR10 programming options.

Normal Operating Mode

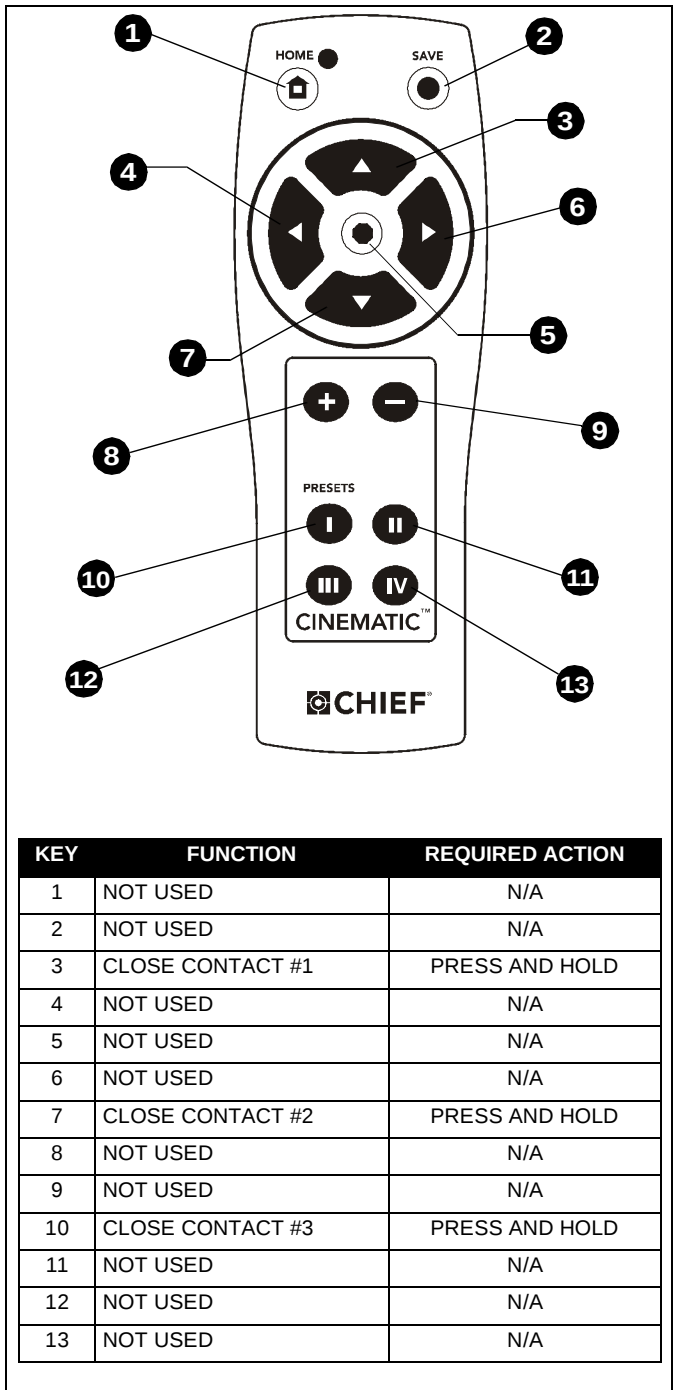


Figure 3

Changing System Codes

Settings are changed by a combination of remote button presses and partially disassembling the box to change specific jumper settings.

NOTE: For changing what the box expects to receive, you need to remove the housing and remove a jumper (J5).

1. Remove four Phillips screws from housing and remove housing cover. (See Figure 4)
2. Remove jumper. (See Figure 4)
3. Replace housing cover and four screws removed in Step 1.

NOTE: This will switch the IR-10 over to the 82 system code. The remote control will also need to be switched over. (See Table 1-2)

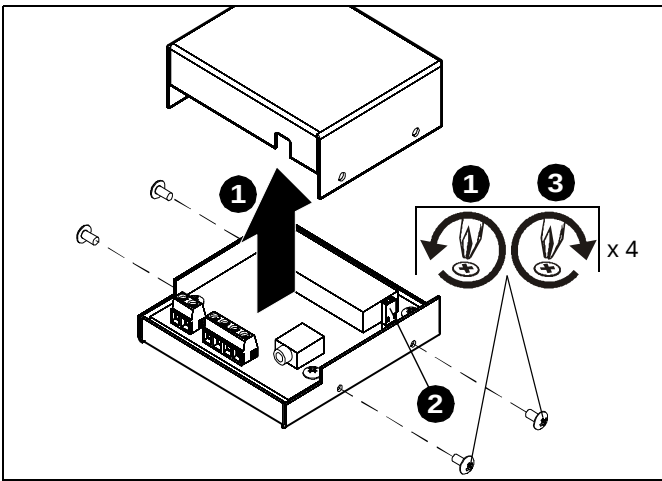


Figure 4

Changing System Code for the Remote

1. Press and Release Key 3 + 7 (Enter Setup Mode)
2. Press and Release Key 10
3. Press and Release Key 11 - LED Blinks Twice <Quick>
4. Select System Code - Table 2
5. Press and Release Key 2 - LED Blinks 4 times <Quick> (Exit Setup Mode)

Table 2: Remote Control System Code

System Code	Press + Release
6E (Default)	10 ,10
82 (IR-10)	10, 11

OPERATIONS

Dry Contact Closures

The IR-10 provides dry contacts based on IR input.

Example: Pressing the 'UP' button on the remote will cause a connection to be made between COM and C1. This connection can be used to trigger other devices (SL, Cinematic, or any third party device that requires this type of input).

NEC Protocol

The modulated carrier is usually derived from 455kHz and is 1/12 of the frequency with 1/3 duty cycle.

When data are transmitted repeatedly, the frame cycle is 107.9ms or 186 period.

A frame consists of a syn pulse, an eight-bit custom code, an eight-bit inverted custom code, an eight-bit data code and an eight-bit inverted data code.

IR-10 Programming

IR-10 Control Features:

- Carrier Frequency: 38KHz
- Protocol: NEC - Full Repeat
- System Code(s): 6E (Default) - Multiple Codes Selected via Key-Press (See Figure 3)

Table 3: IR Command Code

Key Number	Key Name	Hex Code	Hex Code (IR-10)
3	RETRACT	07	1D
7	EXTEND	0D	41
10	PRESET 1	12	40

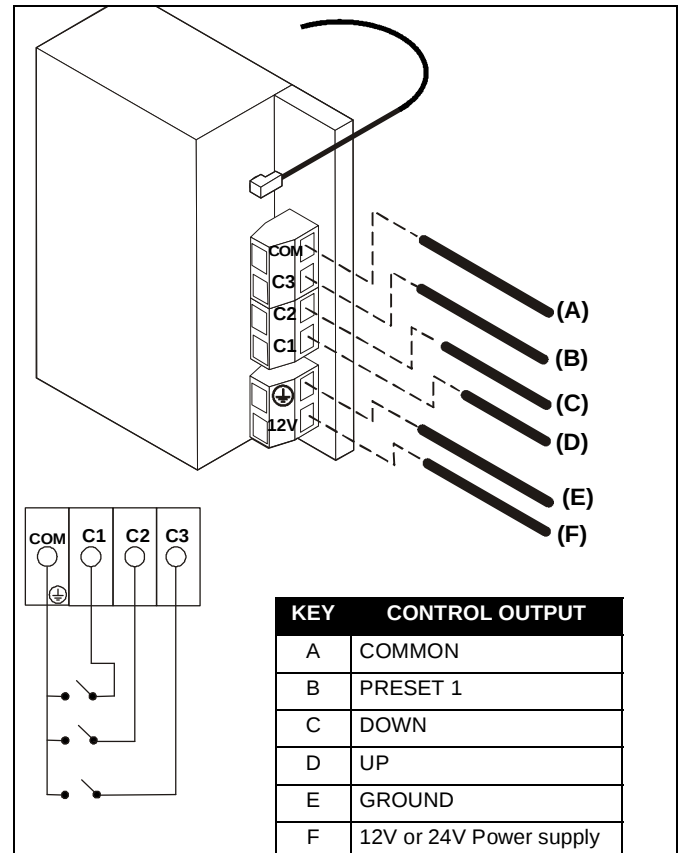


Figure 5

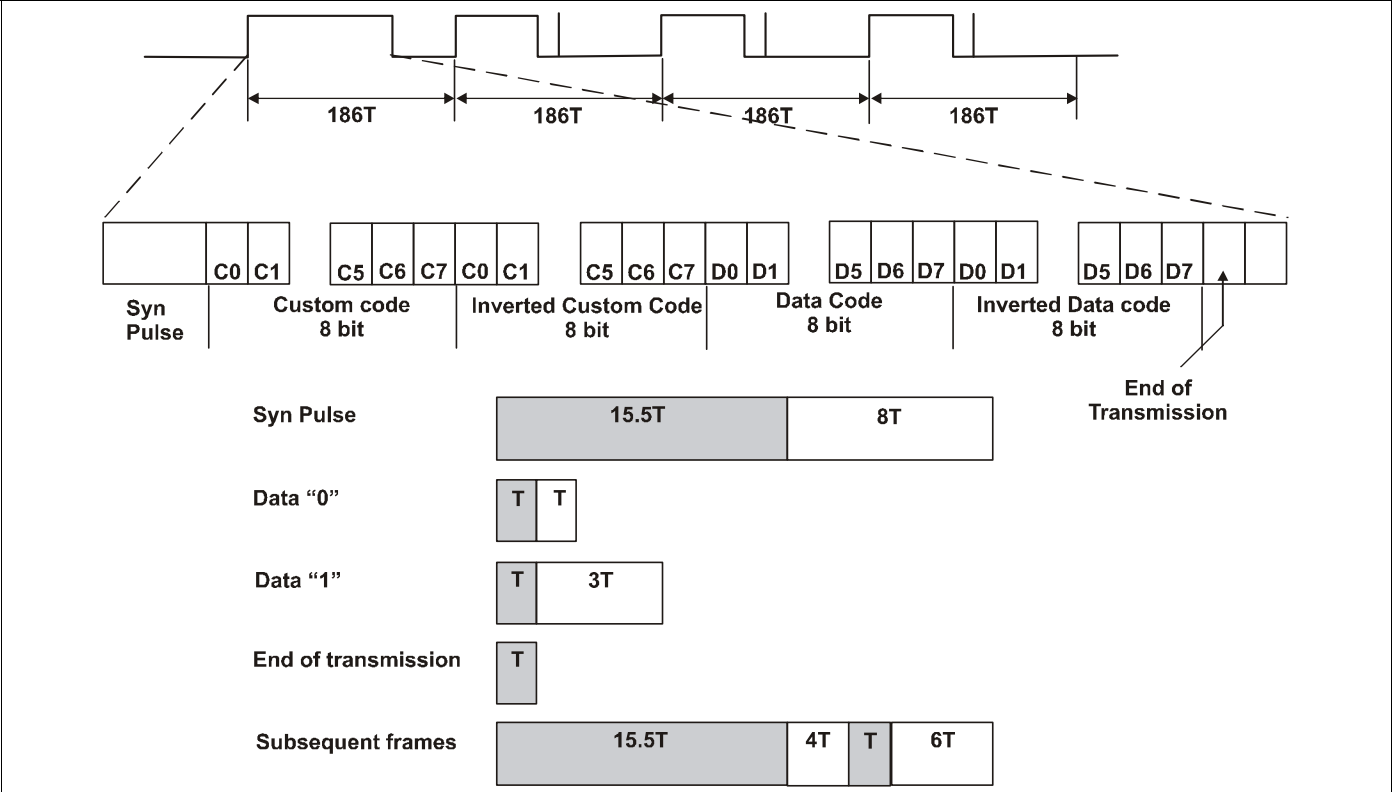


Figure 6



Our Mounts. **Your Vision.**

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