

June 24, 2010

**POLK'S MODEL CRAFT HOBBIES, INC. /CREST/ ARISTO-CRAFT/
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Service to Hobbyists Since 1935

**CREST /ARISTO -CRAFT REVOLUTION BASE STATION /SUPER RECEIVER 2.4
GHZ**

INSTRUCTION MANUAL FOR CRE 57005

SUPPLEMENTARY MANUAL TO THE MAIN MANUAL FOUND ON YOUR CD.

Features

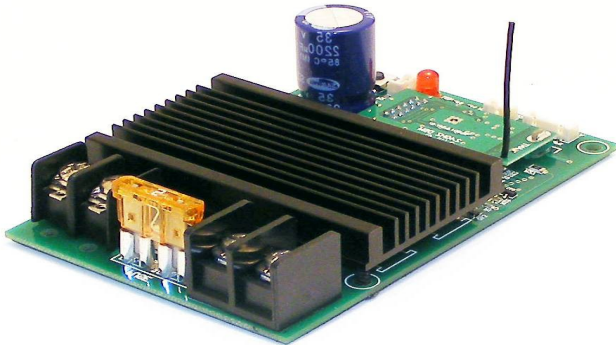
- 1. Polarity Protection**
- 2. 12 to 30 volts DC**
- 3. 15 AMP car type fuse**
- 4. Plug for sound**
- 5. Plug for headlight**
- 6. Screw Terminals For Input And Out Put Power**

CRE 57005 System Components

- a) Base Station / Super Receiver**
- b) Auxiliary Control Harness**
- c) In-put wire plug**
- d) Remote Link Switch**

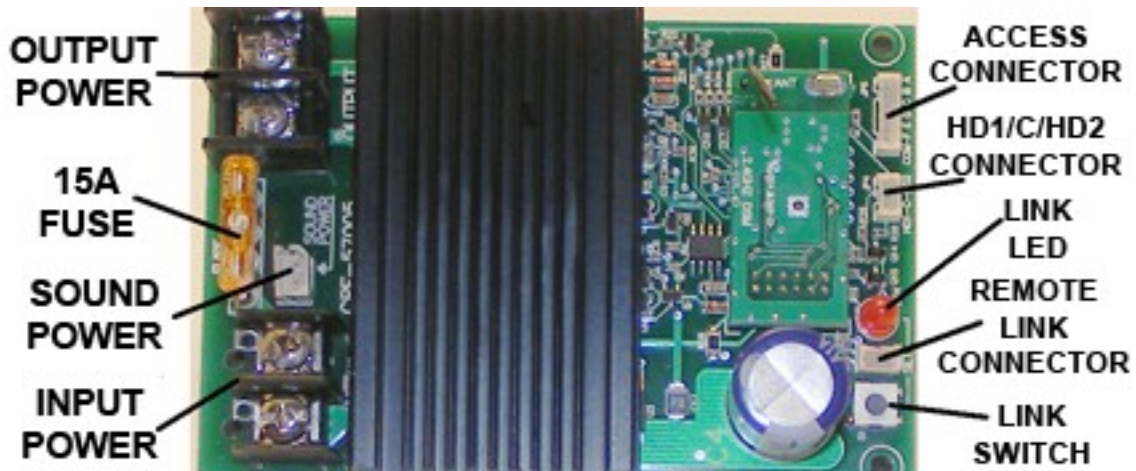
CRE 57004 System Components

- a) Transmitter 2.4 GHZ
- b) Base Station / Super Receiver 2.4 GHZ
- c) Auxiliary Control Harness
- d) Remote Link Switch



REVOLUTION BASE STATION / SUPER RECEIVER

Photo and Label



BASE STATION/SUPER RECEIVER CAPABILITIES

This is a base station to control the track power in order to radio control the one track your train is running on without modifying the locomotive in any way. However, the PCB/Receiver can also be used in a trailing car to allow multiple trains to run on the same track.

When used as a Super Receiver you have enough power to control up to 5 locomotives depending on grades and the number of cars pulled. You will not have the individual control of several locos, but can operate multiple trains at the same time together.

This Super Receiver will work on either track power or battery power. If track power is used you will need leads from the truck up to the car to supply the track power to the receiver. Battery is, of course, on board the trailing car itself.

Aristo-Craft is making a trailing car with ball bearing wheels to supply power to the car on all 8 wheels and will have this ready quite soon. It will hold the Super Receiver and batteries plus speakers to have easy access to the system and will be a covered gondola with an easy to remove top.

The Base Station/ Super Receiver should be kept inside a structure near the track or in a covered gondola or box car to protect it from the elements.

Install the Remote Link Switch

Attach the remote link switch connector to the three pin header on the receiver. There is a 'push button' Link switch on the receiver as an alternative, also. When using a trailing car Locate a place to install the supplied Remote Link Switch where it will be accessible from the outside of the car.

Transmitter Setup: for this operation look up page 11 – 12 on the CD manual

BASIC TRANSMITTER PROGRAMMING PROCEDURE: Look up page 11 – 12 on the CD manual

POWERING YOUR BASE STATION / SUPER RECEIVER

BEFORE ANY INSTALLATION; MAKE SURE THERE IS NO POWER TO THE TRACK OR TO THE BASE STATION/SUPER RECEIVER.

When the power is hooked up correctly on the receiver the Red Link LED power light will flash when the remote link switch is pressed. If the Red Link LED does not flash, reverse the wires on the terminal on the receiver input.

TRACK POWER

The Base Station / Super Receiver is designed to work on track power or battery power of at least 12 volts DC to a maximum of 30 volts DC. We recommend the CRE 55465 Elite Dual Power Supply 13 Amp 23 volts or the CRE 55468 Everest Power Supply 15 AMP 24 volts to run on track power or any regulated power supply. When running from track power using a controller, connect DC power directly to the Base Station / Super Receiver on the right side terminals and set your power to the highest setting. Connect wires on the left side terminal on the receiver to the track.

BATTERY POWER

The Base Station / Super Receiver can also be powered from Li-Ion (Lithium Ion), Ni-MH (Nickel Metal Hydride), Ni-Cd (Nickel Cadmium) or Gel Cell batteries. The maximum voltage must not exceed 30 volts. Multiple batteries can be wired in series or parallel to increase voltage or run time. When operating from batteries, set the track/battery switch on your locomotive to 'Battery'.

The receiver has two sets of terminals, one is used for power in-put (right hand side) and the other is used for power output (left hand side). Hook up the battery power wires to the input terminal of the receiver. Aristo Craft locomotives have two MU plugs on both ends of the locomotive; they are used for input power to the locomotive. The recommended pack is CRE556610 and it's a Lithium Ion state of the art battery pack.

Note: If needed Aristo Craft has the Male and Female connectors in stock, also the MU connectors to electrically connect more than one locomotive.

Art 29511 -Male and Female Connector

Art 29607-MU Connector

PROGRAMMING THE BASE STATION / SUPER RECEIVER & TRANSMITTER

Look up on the CD manual on page 13. Before entering the NAME Under Assign Function you must choose "Rx Type" [Base Station]. After selecting base station scroll down and enter the rest of the functions on page 14 and 15 on the CD manual. Do not choose the "Linear" mode", which has not been included in this version of the product, while programming the transmitter.

OPERATING YOUR LOCOMOTIVE

1) Use <<T and T>> keys to select the cab number that you assigned to the locomotive that you want to operate. The locomotive's name & road number will be displayed on the top line along with SU-, indicating that this is operating as a single unit locomotive.

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2) Use the up and down arrow keys to increase and decrease the locomotives speed.

3) Use the Right Arrow key to go forward and the Left Arrow key to run backwards.

Headlight operation

Look up page 17 – 34 - 35 on the CD manual

Auxiliary Control Harness

Look up page 18 on the CD manual