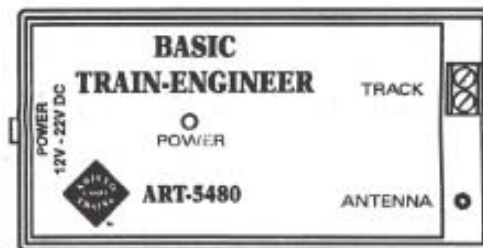
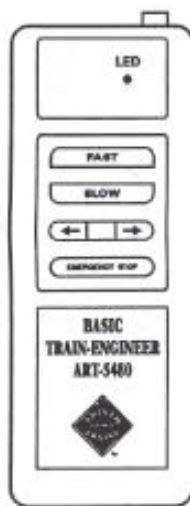


# BASIC TRAIN ENGINEER WALK-AROUND CONTROL SYSTEM

INSTRUCTION MANUAL

ART-5480 - 01



## ARISTO-CRAFT TRAINS

090198 NEW

Dear Model Railroader,

The ARISTO-CRAFT ART-5480, Basic Train Engineer is designed to allow operation of any DC powered model railroad train as a "wireless walk-around" control system without any modifications to existing power supplies or locomotives.

The Basic Train Engineer is fully compatible with any gauge and scale of DC model train and can be used with almost any DC power pack of 2.5 AMP or less. It is designed for easy installation and operation as only 4 wires need to be connected to begin operation.

Testing has shown that operational distances of 100' are possible between transmitter and receiver and as this is radio transmitting, no "line of sight" is required. This set can be used either inside or outside, if the receiver is protected.

Should you have any questions regarding operation, proper usage or maintenance required for this or any other ARISTO-CRAFT TRAINS products, please contact us at the following address:

**ARISTO-CRAFT TRAINS / Polk's Modelcraft Hobbies, Inc.**

698 SOUTH 21ST STREET

TEL: 973-351-9800

IRVINGTON, NJ 07111

FAX: 973-351-9700

email: [aristo@mindspring.com](mailto:aristo@mindspring.com)

Our customer service department phones are open from 10:00 AM to 5:00 PM Eastern time, Monday through Friday.

# CRE-55480/ART-5480 BASIC TRAIN ENGINEER CONTROL SYSTEM

The Basic Train Engineer is a 2 piece set, consisting of the Transmitter (TX) and the Receiver (RX).

Specifications are as follows:

## **Transmitter (TX)**

Frequency: 27MHz

Band Modulation: FM (Code Type)

Power Supply: 9 V Alkaline Battery (Internal)

## **Receiver (RX)**

Frequency: 27 MHz

Type of Emission: FM (Code Type)

Input Voltage: 12 V – 22 V DC

Output Control Current: 2.5 AMP

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**Preparation of Transmitter** 1) Use a Phillips-head screwdriver to remove the 2 recessed screws from the back cover. 2) Remove the back cover. 3) Install a 9V battery (Not included). 4) Remove the top left screw and attach the flexible antenna by inserting the screw through the wire loop at the end of the antenna. 5) Replace the back cover, allowing the antenna to protrude through the top.

**Preparation of Receiver** 1) Connect input wire to a DC power pack and turn the pack up to full. If the power light on the receiver does not light, change the direction switch on the power pack. 2) Connect the track to the receiver using the connector wire included (See the drawing). If you are using other than Aristo-Craft track, clip the round ends from the connector wire, strip the ends and attach the wire to the track terminals being used. 3) Uncoil and stretch out the antenna, being sure that it does not cross itself.

**Operation** This system has a “momentum function” built into the controls. This means that “jack-rabbit” starts and fast stops are eliminated. The trains will accelerate and slow down gradually, just like the real thing. If a fast stop is needed, press the “Emergency Stop” button on the transmitter and the momentum is overridden, causing a quick stop.

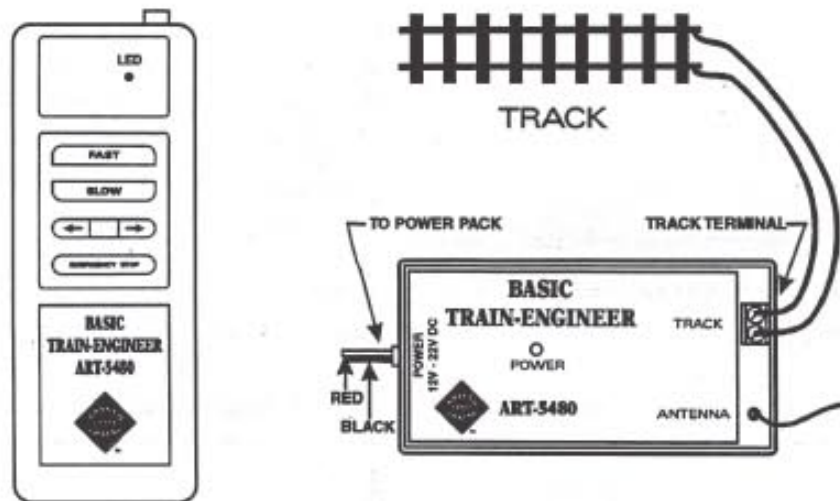
No programming is necessary to begin operation. Merely prepare the transmitter and receiver as above, press the “Fast” button and the train will begin to move.

**Transmitter Button Functions** Fast: Increases the train speed. Slow: Decreases the train speed. Left and Right Arrows: Changes the direction of the train. Emergency Stop: Stops the train quickly.

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### Caution

- 1) Do not operate more than 1 "G" scale locomotive. (2 AMPS max demand)
- 2) Do not apply AC power to the Train Engineer Receiver.
- 3) Do not connect any other power source to the track.



"This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation."

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### LIMITED WARRANTY

All ARISTO-CRAFT TRAINS products are under warranty for five (5) years from the date of purchase against defects in workmanship and/or materials. Proof of purchase *may be required* by ARISTO-CRAFT TRAINS.

This warranty is void and does not apply to any product and/or parts and components which have been improperly installed by the purchaser/owner, abused or damaged in any way through improper operation such as but not limited to derailment, repairs or modifications performed by non-authorized service centers or technicians.

### SERVICING

Should your ARISTO-CRAFT TRAINS product require warranty service, please return it in the original box, if possible, protected by a proper shipping carton. Send the product fully insured and prepaid. ARISTO-CRAFT TRAINS will not be responsible for any loss or damage incurred during shipping. Be sure to include a brief, but thorough explanation of the problem, together with your name, street address (no Post Office box please), city state or province and country, if outside of the United States. Also include a daytime telephone number so that we may contact you if necessary. Your return address should be clearly marked on the outside of the shipping carton.

The proper payment for shipping and handling, in U.S. funds, should also be included as follows:

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Locomotive or complete train set . . . . .	\$20.00
Accessories, switches, track, freight or passenger cars, rail cars, tenders, etc. . . . .	\$10.00

**CALL FOR CURRENT SHIPPING COSTS**

Your check or money order should be made payable to: Polk's Modelcraft Hobbies, Inc. Do not send cash. If your item is not covered by warranty service, you will be contacted and a repair estimate given before any work commences.

The shipping address to be used for returns is as follows:

**ARISTO-CRAFT TRAINS / Polk's Modelcraft Hobbies, Inc.**

Customer Service Department

698 SOUTH 21ST STREET

IRVINGTON, NJ 07111

TEL: 973-351-9800

FAX: 973-351-9700

email: [aristo@mindspring.com](mailto:aristo@mindspring.com)

Written confirmation of receipt of returned items will be sent with estimated repair time by the ARISTO-CRAFT TRAINS Customer Service Department.