

Uhlenbrock Intellibox-IR 65050 Additional Features

(Addendum to the Intellibox 65000 Owner's Manual)

Issued by Modell-Zug Elektronik (rev. 6/29/06)

1. Introduction

This document presents an overview and basic operating instructions for the additional functions of the Intellibox-IR, which are not discussed in the original Intellibox owner's manual that is presently supplied with the Intellibox-IR.

2.1. IRIS Mode

The IRIS Mode of the Intellibox-IR allows the operator to monitor commands that are received from an IRIS infrared handheld remote control up to 10m away. The IRIS remote (p/n 66 510) can control locomotives, turnouts, and even routes that are stored in the Intellibox-IR. All of these commands are received via the Intellibox-IR's integrated infrared receiver or through additional connected receivers. The Intellibox-IR supports four independent IRIS communication channels: A, B, C, and D. In this mode, the center of the LCD display will show all commands that are received from an IRIS remote operating on the selected channel. This makes it possible for up to four different remotes to be operated simultaneously, or for a single remote to be quickly changed between four different locomotives and sets of turnouts.

2.1.1. Selecting the IRIS Mode & Channel

1. Press the [mode] key repeatedly (or [mode] followed by [5]) until the center of the LCD display indicates "IRIS Mode."
2. Set the communication channel by pressing the [menu] key, then using the [+] and [↓] keys to select the channel, and end with the [enter] key.

2.1.2. Operating the IRIS Remote

Please refer to the IRIS Owner's Manual (available at www.modell-zug.com) for detailed instructions on the operation of locomotives, accessories, and routes via the IRIS remote control.

2.1.3. Connecting Additional Receivers

Additional IRIS command receivers may be connected to the Intellibox-IR's "Lokmaus / IRIS-Empfänger (Receiver)" plug on the rear panel. This makes it possible to remotely control even large multi-room layouts, using up to two additional receivers (p/n 66 520). If additional IRIS receivers are to be used together with a Roco or LGB Lokmaus controller, it must be connected with an appropriate Y-cable (p/n 66 530).

2.2. Memo Mode

The Memo Mode gives the Intellibox-IR the ability to control entire sequences of accessory commands, called routes, from a single button. The routes are divided into 3 groups, with each group containing 16 routes (for a total of 48 routes) that are directly accessible from the numeric keys on the front panel in this mode. Each route may contain up to 10 steps, which are easily programmed within this mode and require no other input devices. Larger routes are made possible by the concatenation of several sub-routes, for a maximum total route length of 433 commands. All routes stored in the Intellibox-IR are also remotely controllable from an IRIS handheld remote, or from an IB-Switch, IB-Control, or Switch-Control using special accessory commands.

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2.2.1. Selecting the Memo Mode & Group

1. Press the [mode] key repeatedly (or [mode] followed by [2]) until the center of the LCD display indicates "Memo Mode."
2. Select the group number by pressing the [menu] key, then using the numeric keys 1-3 to select the group, and end with the [enter] key.

2.1.2. Programming & Operating Routes

Please refer to the Intellibox Route Controller Software Manual (available at www.modell-zug.com) for detailed instructions on programming and activating routes in Memo Mode.

2.1.3. Remote Operation of Routes

Using an IRIS Remote:

Routes stored in the Intellibox-IR are directly accessible using the [route] key and the number of the route (1-48), followed again by the [route] key. The progress of the selected route is displayed on the center portion of the LCD screen.

Using an IB-Control, IB-Switch, or Switch-Control:

Routes stored in the Intellibox-IR may be accessed through external accessory controllers by means of special accessory commands. The correspondence between these commands and the Intellibox-IR routes are shown in the table below. Whenever the appropriate command is issued over LocoNet, the Intellibox-IR will activate its corresponding route.

Accessory Address	Position	Intellibox Route
2001	R	Route 1; Group 1
2001	G	Route 2; Group 1
2002	R	Route 3; Group 1
2002	G	Route 4; Group 1
...
2024	R	Route 15; Group 3
2024	G	Route 16; Group 3

2.3. LocoNet Programming Mode

The Intellibox-IR's LocoNet Program mode provides a convenient method for reading or altering the configuration variables (CVs) of Uhlenbrock LocoNet devices. Such devices include the Switch-Control 63400 and Feedback Modules 63340 for 2-rail layouts and 63350 for 3-rail layouts. The programmable LocoNet CVs (LNCVs) of these devices control many of their advanced features, and are accessible exclusively through this mode of the Intellibox-IR. All LocoNet programming is carried out by the Intellibox-IR using unique "module addresses," and is therefore executable during normal layout operation without requiring removal of the device to be programmed.

2.3.1. Activating the LocoNet Program Mode

1. Press the [menu] key followed by the [mode] key to enter the "Basic Settings" menu.
2. Scroll through the submenu list using the [+] and [↓] keys to reach the "LocoNet Prog" mode, and then select it by pressing the [→] key.

2.3.2. Programming LocoNet Devices

Please refer to the owner's manual of your specific LocoNet device for a detailed listing of its available LNCVs as well as applicable programming instructions.