

Intellibox

The Uhlenbrock Central Unit

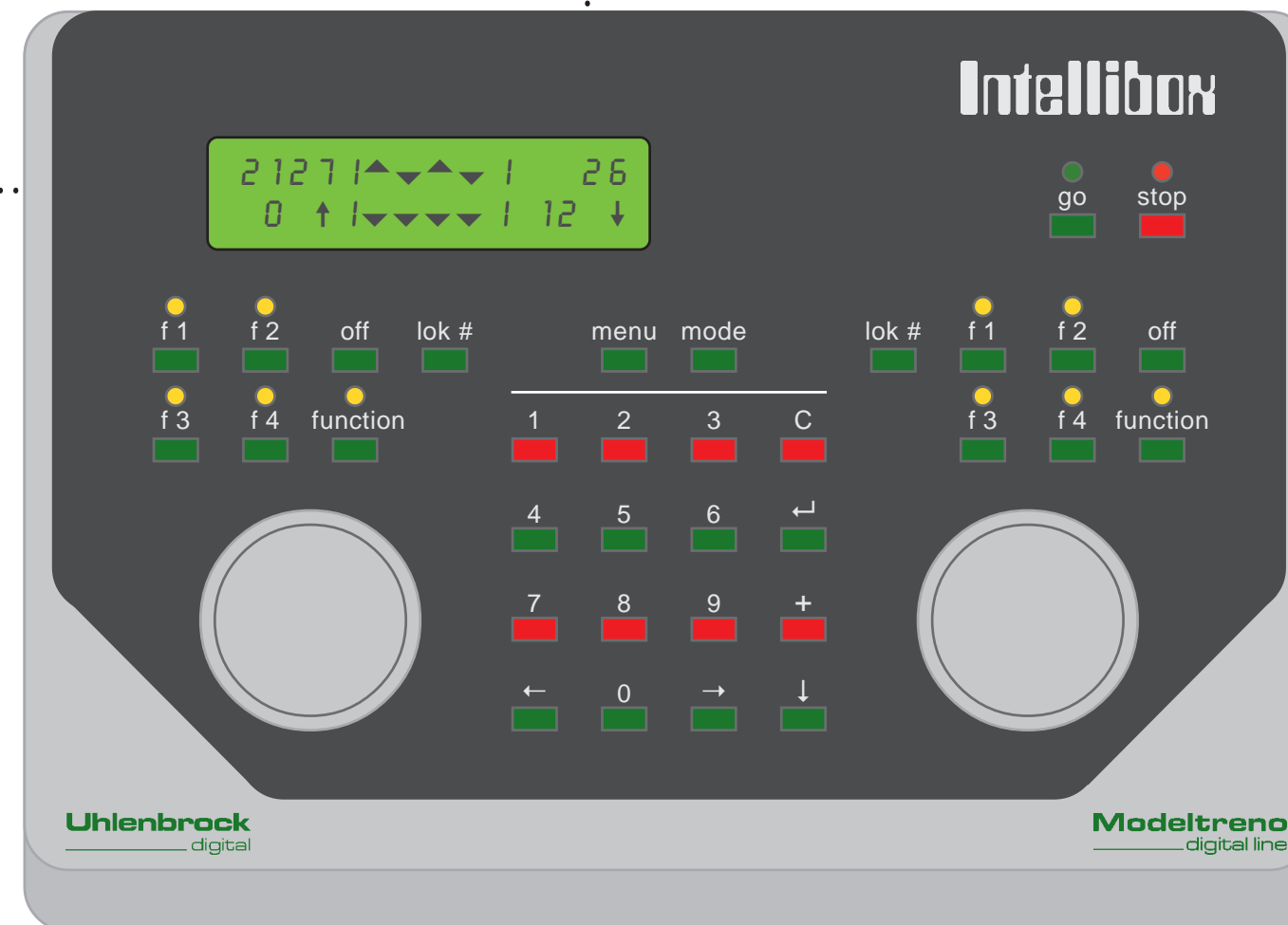
You stop by red

You go by green

The Intellibox's the best
you've ever seen!

Uhlenbrock
digital

The **LCD-display** shows you the currently selected locomotive numbers as well as their speed and direction. The central section holds information regarding turnouts status. Decoder programming is menu-driven: extremely easy and simple to use.



The **central numeric keypad** allows one to select a locomotive, to switch turnouts and signals and to program the digital decoders.

The two **rotary encoders** allow you to take control of a locomotive starting exactly from its current speed: there is no need for human adjustment.

Pressing a speed dial brings the currently selected locomotive to a stop. The driving direction is then inverted.

One Intellibox instead of many devices

- Central Unit
- Booster
- Two speed dials
- Keyboard for turnout control
- Computer Interface
- Programmer for all Uhlenbrock and NMRA-compatible decoder

The Central Unit for all digital systems

Connectable to many different devices

- Control 80, Control 80f, Keyboard, Memory and S88 feedback modules by Märklin
- Computer with serial interface
- Roco/LGB LokMaus
- Digitrax LocoNet
- Lenz and Märklin Boosters
- Lenz XBUS devices (through LocoNet adapter)

Everything with everything

Mixed simultaneous operation of decoders by different companies and digital systems on the same track

- Uhlenbrock
- Märklin Motorola
- Märklin new format (so called Gauge-I format)
- Märklin Digital =
- Arnold (Rivarossi, LIMA, Jouef)
- Lenz and Roco
- Viessmann
- Digitrax and all NMRA-compatible decoders

Intellibox - a clever device

- Supports several digital formats
- Connectors for many different devices
- Up to 128 speed steps
- Up to 9999 decoders addresses
- Virtual addresses
- Consisting with up to 4 locomotives
- Informative LCD display
- Selectable operating language
- Extremely intuitive to operate

"Freshness" guarantee

The Intellibox internal software is upgradeable

- "Future-proof" and expandable

Intellibox

The Uhlenbrock Central Unit

Replaces many different devices

The Intellibox is able to drive digital layouts using the Märklin-Motorola or the NMRA digital format - at the same time on the same track!

It is a very powerful and extremely compact Central Unit: thanks to its five microprocessors, it is able to provide the functionality of many different devices through a single unit.

► Locomotive control

Through the two rotary encoders, two locomotives at a time can be steered independently.

► Keyboard for turnout and signal control

Switching up to 320 (Märklin) and/or 2048 (NMRA) electro-magnetic devices like turnouts, signals, etc. Eight of these at a time are directly under your control.

The LCD display shows the current status of the currently selected eight devices.

► Booster

Powerful - up to 3A - and protected against electrical shorts and over-heating. Track voltage adjustable for gauge N and H0.

► Interface

To connect the Intellibox to a computer.

Allows you to operate your layout through a computer and to upgrade the systems software.

► Programmer

Programming Uhlenbrock and NMRA decoders is extremely simple and easy: the user interface is menu driven, with clear messages written in your language.

Connectors for many different devices

On the backside you can find connectors for the power supply (16V a.c. transformer), s88 feedback modules, serial interface, Digitrax LocoNet, Roco and LGB LokMaus, Lenz and Märklin Boosters, programming track (for decoder programming) and power output for the tracks.



To the Intellibox sides can be connected Control 80, Control 80f and Control IR, Keyboard and Memory made by Märklin and Arnold.

Multi-protocol

With the Intellibox you can operate locomotives equipped with digital decoders made by different companies for different digital systems.

The following digital signals can be generated **at the same time**:

► Motorola format

Uhlenbrock, Märklin, Viessmann

► 'New' (expanded) Motorola format (Gauge I)

Uhlenbrock, Märklin

► NMRA format

Roco, Arnold, LGB, Lenz, Digitrax, etc...

128 speed steps

Motorola format 14 speed steps

NMRA compatible 14, 28 or 128 speed steps

9999 decoder addresses

The Intellibox supports all addressing modes used by digital decoders.

The number of different addresses depends on the decoder type and producer.

Märklin decoder 80 Addresses

Uhlenbrock decoder 255 Addresses

NMRA compatible, depending on type 99-9999 Addresses

Virtual locomotive addresses

Up to now you could only drive your locomotives using the actual address programmed in the decoder.

From now on you can assign a 4-digit 'virtual address' to your locomotives - for example the 'road number' of the locomotive.

Consists

Setting up a consist with the Intellibox is real simple.

This key sequence

Lok# 27 + 35 ←

sets up a consist involving those two locomotives.

Up to 10 consists each with up to 4 locomotives can be used.

The key sequence

Lok# C

clears the above started consist.

Operating fundamentals and special keys

► Mode

Chooses among Keyboard (turnout control), s88-monitor or programmer.

► Menu

Context-sensitive configurations and options.

► Numeric keypad

For loco address selection, turnout and signal control and for easy decoder programming.

► Special keys

Auxiliary functions 'f1-f4' and standard 'function' for controlling lights, sound, etc...

Special key lok# for locomotive selection.

Special keys for an user-friendly interface:

Enter, clear, cursor to the left, cursor to the right, scrolling through the menus.

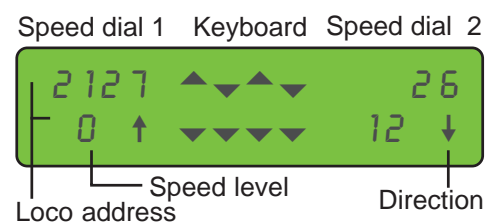
► Rotary encoders / Direction change

The rotary encoders allow you to take control of a locomotive starting exactly from it's current speed.

Pressing the speed dial brings the locomotive to a stop and inverts the driving direction.

Informative LCD display

The big and backlit LCD display gives you a maximum of information while still being easy to understand.



To the sides it shows you the status of the currently selected locomotive, including locomotive address, speed (operating level) and direction.

The central section holds information concerning the currently selected device - e.g. the current status of turnouts and signals, if the keyboard is chosen or the text for menu-driven decoder-programming.

Multi-language user interface

You can select your preferred language for Intellibox operation: english, french, italian, dutch or german.

The Intellibox is a joint development of Modeltreno • Via Cipriani, 6 • I-40131 Bologna and Uhlenbrock Elektronik GmbH • Mercatorstr 6 • D-46244 Bottrop.

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We reserve the right to make corrections and changes.

Extremely simple to operate

Surprisingly simple user interface which takes advantage of clearly structured menus.



The Intellibox 'follows' the user, not the other way round!

Permanent memory

All options and configuration parameters, once inputted are permanently stored. The information is kept even if the device is not powered up for weeks.

Upgradeable

The built-in serial interface can also be used in order to upgrade the Intellibox software.

The Intellibox is "future proof" and expandable.

A true multi-featured digital system.

650

Don't forget this article number!

This would only be the beginning

The current digital system, which consists of the Intellibox and of Uhlenbrock decoders, shall be expanded in the future:

► Locomotive controller

With the same Intellibox design, connectable through LocoNet

► Booster

Up to 3A, for the H0 and N gauges, in the same Intellibox design

► XBUS adapter

For connecting Lenz XBUS devices to the Intellibox through LocoNet

► Turnout and signal decoder

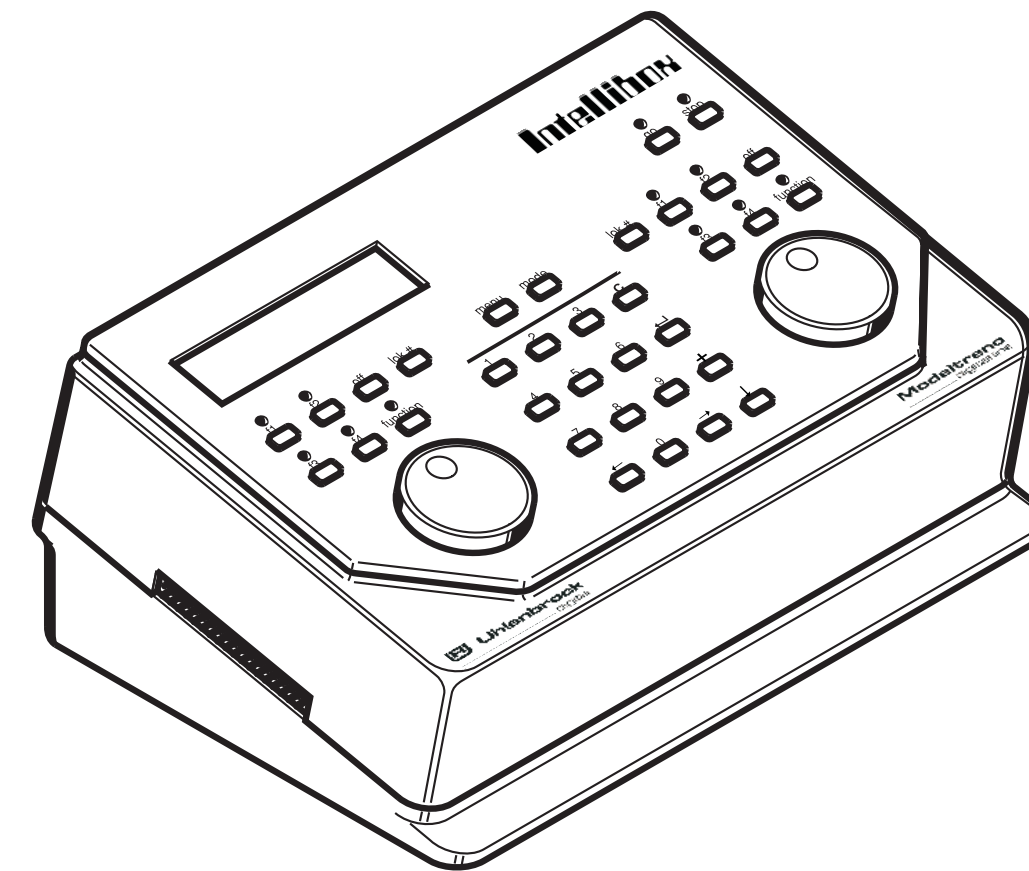
With a lot of features

► Remote Infrared Control

Remote control unit with a comfortable rotary encoder

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Uhlenbrock
digital

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