New Items 2013

Uhlenbrock digital

Universal control of Stations, Shadow Stations and Block sections
Radio Handcontroller DAISY II
Track-Control lefthand Traffic
LISSY/RailCom® Transmitter
Booster Power 8

Uhlenbrock Elektronik
35 Years
For the intelligent Railway

DAISY II

LocoNet or Radio Hand Controller

DAISY II

- High visibility Display with yellow text on a black background
- Intuitive Menu navigation
- Up to 9 999 Decoder addresses
- Up to 128 Routes
- Up to 32 768 Locomotive special functions
- Locomotive database with locomotive name and function symbols
- Locomotive database transferred from the Intellibox® II
- Up to 2048 solenoid addresses
- Endless rotary controller with reversing switch
- Updatable
- Can be connected to Intellibox®, Intellibox® IR, Intellibox® Basic, Intellibox® II, IB-Com, System Control 7, TwinCenter and Piko Power-Box
- Extendable to DAISY II Radio Hand Controller with the radio module

DAISY II Radio

- Functionality like the DAISY II
- Range up to 100 m
- Up to 20 simultaneous Radio Hand Controller
- Accumulator loading with Loading Adaptor
- Radio Master can be connected to an Intellibox®, Intellibox® IR, Intellibox® Basic, Intellibox® II, IB-Com, System Control 7, TwinCenter, Piko Power-Box and Computer (USB)
- Option for transfer of DCC commands
- Option for connecting with Gamesontrack-Position

The DAISY II Hand Controller displays all address and control information. The speed is set with continuous rotary control. A press of the rotary control changes the travel direction. 20 Locomotive special functions can be sent directly with numeric keys. For all additional ones use the locomotive function menu.

DAISY II can be disconnected from the LocoNet and reconnected at another location without losing any of the status information of the locomotives.

By adding the Radio module the DAISY II hand Controller can be extended to the DAISY II Radio Hand Controller. For radio operation the Radio-Master is also required.

The DAISY II Radio Hand controller is also suitable for operating with all centers equipped with a LocoNet Interface. It can be connected directly to the LocoNet, that is cable bound, or via radio with a Radio-Master, which is connected to the center via the LocoNet. The range of the DAISY II Radio Hand Controller is up to 100 m (open range) to the Radio-Master.

Depending on system configuration between 4 and 20 DAISY II Radio Hand Controllers can be connected simultaneously. The DAISY II Radio Hand Controller can easily be loaded with any desired loading adapter.

Part No. 66 300	DAISY II Hand controller with 3m Spiral cable *Available from 3rd quarter 2013*
Part No. 66 310	DAISY II Radio module with Loading adapter
Part No. 66 350	DAISY II Radio module with 3m Spiral cable + Loading adapter
Part No. 66 400	Radio Master
Part No. 64 400	DAISY II Radio Set: DAISY II Hand controller, Radio Master, 3m Spiral cable, Loading adapter

Availability for part with Radio components: 4th quarter 2013

Future proof!

The Radio system can be extended by software. With the extensions it is possible to control the vehicles equipped with the appropriate radio receiver directly with DCC control commands. The DCC instructions therefore no longer have to be sent to the locomotive via the track. That way, for example, locomotives of a garden railway or vehicles from the Faller Car System can be controlled directly. Another software extension will then make it possible to integrate the Gamesontrack-Position System.

LISSY/RailCom® Transmitter

With the automation systems LISSY and MARCo all control functions can be realised on a digital layout without the need of a computer. Hence automation such as block traffic and shuttle traffic are just as possible as the optimized automation of shadow stations.

So that both systems can be combined on a model railway layout a transmitter is now available that can emit both signals. Every vehicle that is to execute an automatic operation or whose address is to be reported is fitted with a LISSY/RailCom® transmitter.

The transmitter is installed in the locomotive in addition to the locomotive decoder and connected to the power pick-ups. It can be programmed with all short and long DCC addresses just like a DCC decoder. Additionally, it is possible to connect a LISSY Mini-transmitter. The new LISSY/RailCom® transmitter replaces the older one of both systems.

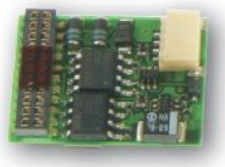
With dimensions of only 13 x 7 x 1.8 mm it is visibly smaller than previous transmitters and will find space under almost all vehicles.

Part No. 68 330 LISSY/RailCom® transmitter single
Part No. 68 331 LISSY/RailCom® transmitter, 5per Pack
Available from 2nd quarter 2013

IntelliDrive - MTC-21 Decoder-Spur H0

IntelliDrive Decoder is the topmost technology and guarantees optimal running characteristics. Equipped with outputs for light and six additional function outputs this decoder provides all possible switching options. The latest chip technology results in very low heating for uninterrupted running even with short power interruptions as with dirt and often happens on turnouts. The new 75 330 replaces the previous MTC-21 decoder 76 330.

- Data format DCC/Motorola®
- For DC and bell armature motors
- With MTC 21 interface according to NEM 660
- Constant load 650 mA, peak current 1000 mA
- High frequency load regulation
- Direction dependent dimmable light outputs
- 6 special function outputs
- Function Mapping f0– f12
- SUSI connection via the interface
- LISSY connection via the interface
- Train side switchable lighting
- Short circuit and overload protection
- Dimensions 20.5 x 15.4 x 5 mm



Part No. 75 330 Decoder H0 Scale
with MTC-21 Interface
Available from 2nd quarter 2013

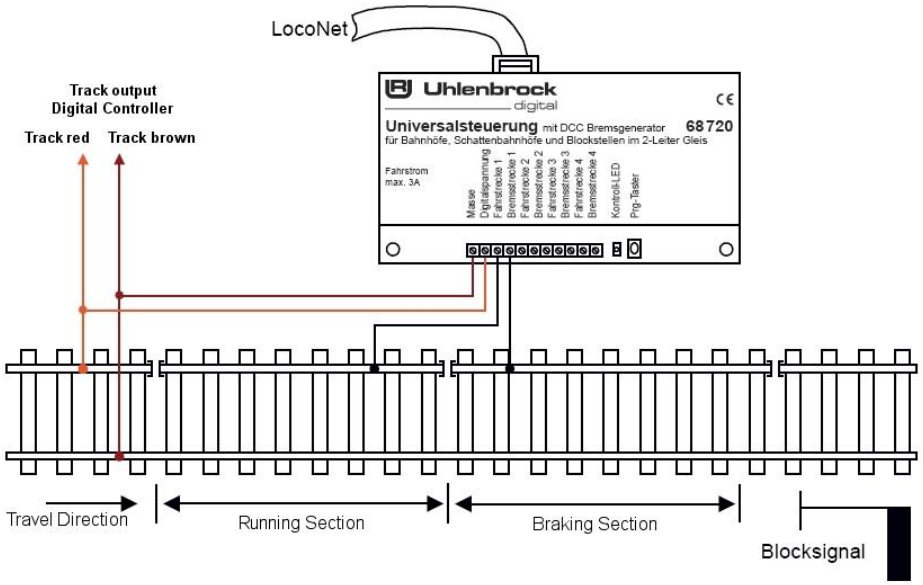
Universal Controller

TOP Value for Money

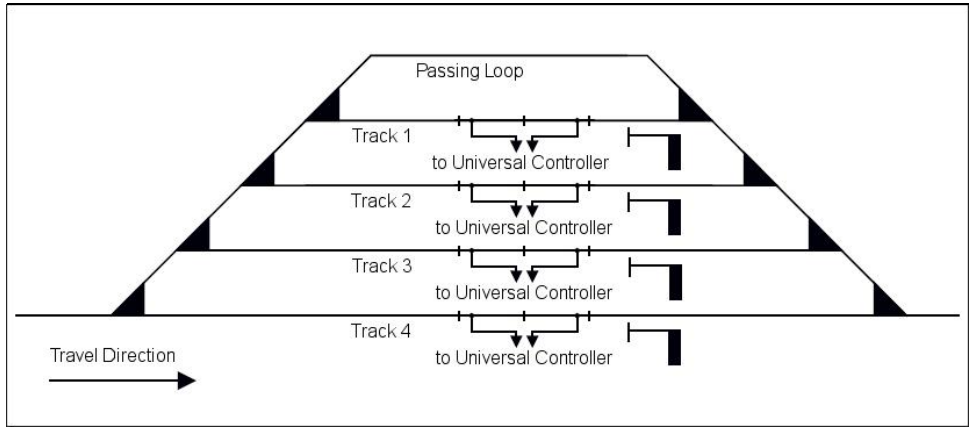
For 2-Rail and 3-Rail Layouts

- For 4 Track sections in which trains are monitored and stopped
- Expandable as desired with further Universal Controllers
- Brake generator for DCC (68 720) or Motorola® (68 730) installed
- Controls Stations with up to 12 tracks and 1 passing loop
- Memory for 13 routes with 20 commands in the module
- Also usable with LISSY and MARCo
- Automatic recognition of locomotives with or without LISSY/MARCo transmitter
- Usable with all digital centers with LocoNet interface
- Up to 3A loads

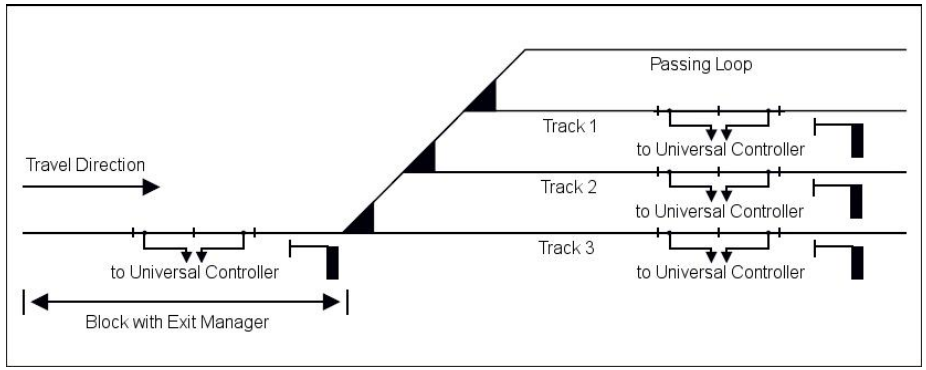
The digital Universal Controller can be installed for many automatic control operations on a layout and is connected with the digital center via the LocoNet. The Controller can monitor 4 track sections and brake and stop a train, depending on the signal, for each track section. Each track section is connected to the controller with 2 terminals. One terminal for running section and one for the braking section. Both sections must be separated from the rest of the layout by track isolators.



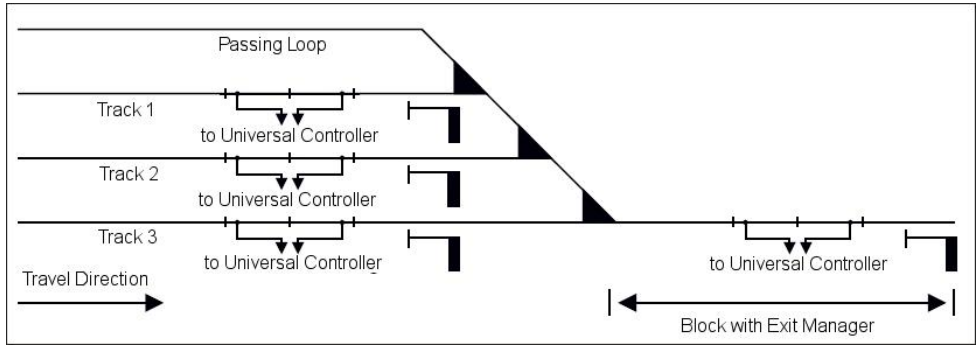
The following control options can be realised with the module:



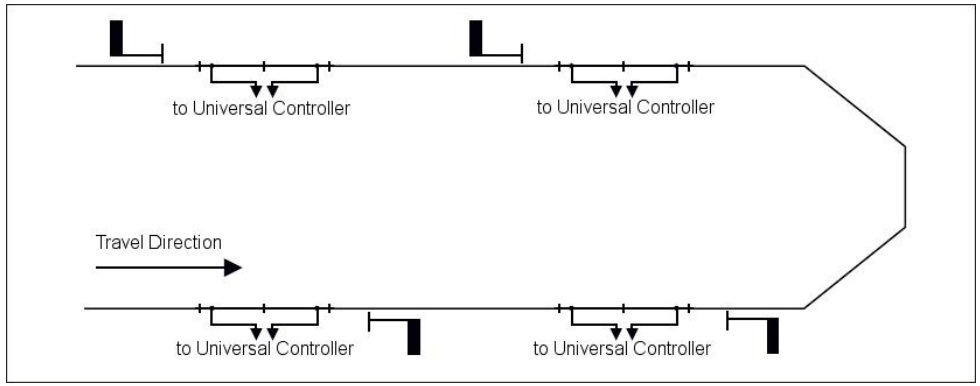
a Station with 4 tracks and passing loop. Arriving trains are automatically led to a vacant track or when all tracks are occupied through the passing loop.



a station with 3 tracks, a passing loop and an entry track. If a train arrives at the entry track it is automatically directed to a vacant station track, or to the passing loop if all tracks are occupied. The entry track serves to protect the station and can be integrated into the preceding block traffic.



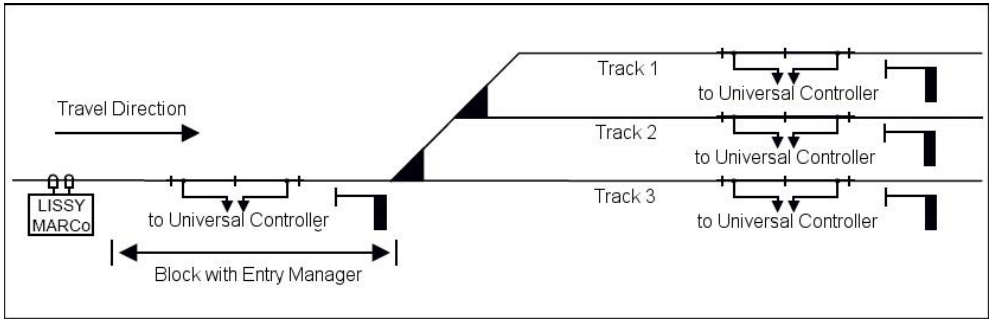
a station with 3 tracks, a passing loop and an exit track. If the exit track is vacant, then a train is automatically dispatched from one of the occupied station tracks.



a Block section system with 4 track sections.

All control problems can be solved with additional modules. The station control can have up to 12 station tracks and a passing loop. All essential routes for the station control are saved into the module as switching sequences of solenoids. No additional devices are required for switching the routes.

The control can be combined with LISSY/MARCo. For this a LISSY/MARCo receiver in installed into the track before the section that is to be supervised by the Universal Controller. When this receiver detects a locomotive it notifies the locomotive address to the Universal Controller. The Universal Controller assigns the received locomotive address to the track section and stops the locomotive in this section with locomotive commands via the Digital center. For this the Universal Controller uses the same locomotive control as used in the LISSY/MARCo System. The locomotive address which was handed over in a track section is then handed over to another section by the Universal Controller in which the locomotive is similarly controlled. All track sections notify the locomotive address on the LocoNet, so the locomotive addresses can also be displayed by the locomotive number display (69250, 63 450 and also the LISSY/MARCo display in the Intellibox® I, II and Basic).



If a track section is combined with a LISSY/MARCo receiver it automatically recognises an arriving locomotive whether or not the arriving locomotive is fitted wit a LISSY/MARCo transmitter. Depending on the situation, the locomotive controls either locomotive commands or, if no LISSY/MARCo transmitter is on the locomotive, with brake generator (DCC Brake generator 68 720 or Motorola® Brake generator 68 730). This information is also passed to the following track section and is used there for further control.

Part No. 68 720 Universal Controller for 2-Rail track (DCC Braking generator)
Part No. 68 730 Universal Controller for 3-Rail track (Motorola® Braking generator)
Available from 2nd quarter 2013

Polarity Switcher

Motorized Turnouts and Light Signals with a negative Common on a LocoNet Switch module

The LocoNet Switch Module (63410) has a positive common for its loads. It is not possible to connect motorized turnouts or light signals with a negative common. Motorized turnouts use a changing operating polarity.

This solution offers a polarity switcher. On the LocoNet Switch Module 4 outputs with negative common are available.

To this you can connect two light signals.

The Polarity Switcher can also provide the polarity toggle. This means the motorized turnouts are no longer a problem. Up to four Polarity Switchers can be used on one LocoNet Switch Module.

Part No. 63 415 Polarity Switcher
Available from 2nd quarter 2013

IntelliSound - Loudspeakers Scale N – TT – Ho

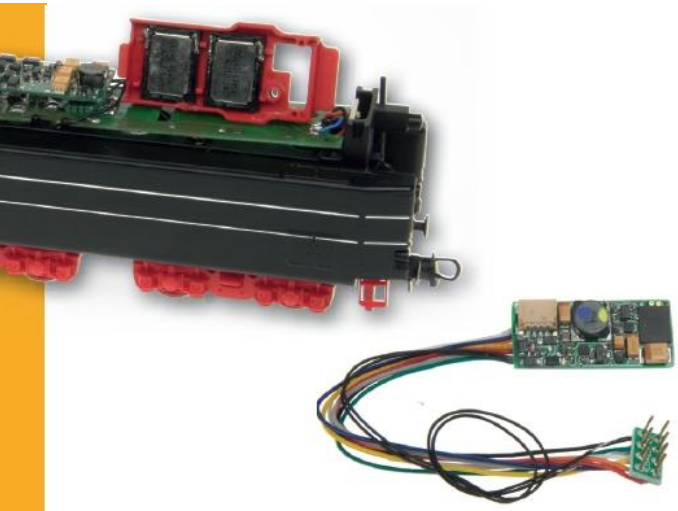
Part No. 31 101 15 x 11 x 3.5 mm, 0.35 W, 8 Ohm
Part No. 31 102 18.5 x 13 x 4.5 mm, 0.7 W, 8 Ohm
Available from 2nd quarter 2013

New in the range are two Miniature loudspeakers without resonator which deliver a good sound for their size. These are especially suitable for N, TT, and H0 vehicles, in which there is only a small space available but that have their own resonator (e. g. boiler in a steam locomotive, driver cabin etc.).

A resonator fitted directly to the loudspeaker would provide a good clear sound.

The loudspeakers are extremely flat with a height of 3.5 mm and 4.5 mm and are suited for installing in very small places.

IntelliSound 3 - Mini decoder with 8-pole Interface



Part No. 33 120 Intellisound 3 Mini-decoder empty 25 x 11 x 4,3 mm
Part No. 33 124 Intellisound 3 Mini-decoder with Sound, 25 x 11 x 4,3 mm
Available from 1st quarter 2013

Often small H0 Locomotives have an 8-pole NEM 652 interface.

With the new IntelliSound 3 Mini-decoder 33 120 it is now a lot simpler to fit these small H0 locomotives with Sound. The IntelliSound 3 Mini-decoder has all the usual functions of our multi-protocol decoder.

This of course includes two special function outputs. The sound module is integrated »on board« and that with the smallest dimensions. In the huge Sound buffer it can also save four additional custom sounds in WAV format and control them with function keys F1–F28.

- 320 Seconds Sound buffer
- Custom Sounds can be added
- 4 channel simultaneous replay
- Function Mapping to F28
- For wheel-synchronized chuffs a hall sensor can be connected
- Switchable trains side lighting
- 2 Special function outputs

Power 8 – The Power Pack for large Scales

RailCom by Lenz Elektronik GmbH

- Genuine Multi-protocol booster for Data formats: DCC, Motorola® and mfx
- Compatible with Centers from Uhlenbrock, Märklin®, Fleischmann, Piko, Lenz, ESU, Viessmann etc.
- Maximum output current 8 A, constant 7 A
- Can be switched to DCC Brake generator Mode
- With output for Reversing loop relay
- LocoNet capable, hence well suited for modular layouts
- RailCom® support
- Short circuit and overload protection
- Connector for LocoNet B, DCC Booster, Märklin®-Booster
- Configurable via switches or LocoNet CV programming

The LocoNet capable **Multi-protocol booster Power 8** for large scales O–IIm is the subsequent development of its predecessor Power 7. It is now even more powerful and can be used for the DCC, Motorola® and mfx data formats.

The Power 8 provides a 7A constant current capacity to the layout and in short intervals even 8A. The booster's output is short circuit and overload protected.

In DCC Systems the Power 8 can be installed as a brake generator. Depending on the pre-set deceleration the decoders brake the locomotives like the prototypes. Any number of braking section can be connected. One or more reversing loop relays (61 080) can be connected to the Power. If the Power 8 is connected to an Intellibox® II or System Control 7, then eventual errors are displayed in plain text.

As power supply we recommend our 150VA transformer (20 155).

Part No. 63 280 Power 8
Available from 2nd quarter 2013

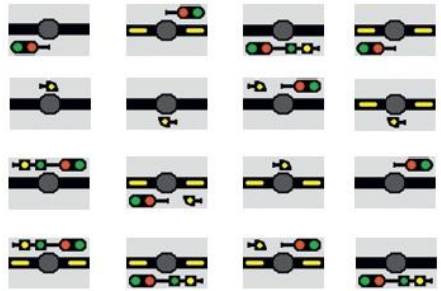
Extension Left-hand Traffic for the Uhlenbrock Track-Control

The Uhlenbrock Control Panel

Track-Control is modelled on the Siemens DrS2 track plan console which has been in use in the DB since the 1960s. The functionality is fitted to the model railroader requirement so that one need not be a qualified signalman to operate the panel.

The Signal images in left hand traffic can differ substantially from those of the Deutsche Bundesbahn. Firstly they are on the left side and also their appearance can differ e.g. in Switzerland and Great Britain. Since Siemens also built track plan consoles for Switzerland the Swiss panels were similar in appearance to the DrS2 used by the Deutsche Bundesbahn.

Now a corresponding expansion to the Track-Control is available with a number of signal image for left hand traffic.



The new Signal fields

Part No. 69 096 Foil Signal symbols left hand traffic
Part No. 69 280 Signal circuit board left hand traffic
Available from 3rd quarter 2013

Would you like to be fully informed about our Products?

On our internet site www.uhlenbrock.de a large amount of additional information can be found about our products, FAQs, articles from magazines and in the download section the original manuals in PDF format, that can be downloaded free of charge.

Your Uhlenbrock dealer will also be happy to assist and advise you. An overview of our dealers with contact details can also be found on our internet site under »Händler«.

Premium Hotline 0900-1858327

Should it be urgent, then a technician is available on our Premium Hotline from Mondays to Fridays, between 10:00 and 16:00.

This Hotline attracts a charge (0.98 EUR/min land line, mobile is correspondingly more expensive).

Ways into the digital world special edition of Modellbahn Pictorial

Special Edition of Modellbahn Pictorial on the theme 'Digitalization of Model Railway Layouts' with information on the capabilities of the digital technology and also practical sections.

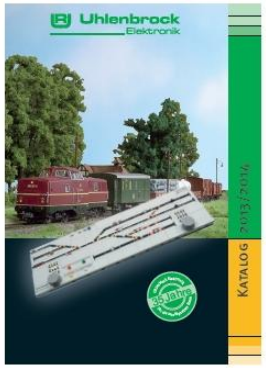
The booklet addresses everything relevant to digitalizing existing analogue layouts and also new ones.

Part No. 16 220 Special edition »Ways into the digital World«

Complete Catalogue 2013/2014

Our 92 page complete catalogue with all our products, many tips and advice can be obtained from your dealer for 3.50 EUR (or equivalent), or by sending 5.00 EUR in stamps direct to us or order it online from our Internet site www.uhlenbrock.de.

Part No. 10 120 Catalogue 2013/2014



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