

# New Items 2014

# Uhlenbrock Elektronik

For the intelligent Railway



LED-  
Festoon



IntelliSound  
4



Next18-  
Decoder



DCC Radio  
Receiver

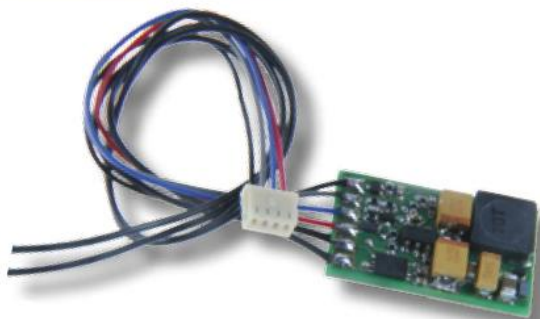
Building  
kit  
Uhlenbrock  
Elektronik

*IntelliSound 4*

## IntelliSound 4 – The next sound generation

Your own Sounds can be installed with the  
» IntelliSound Creator « Software

Double the output capacity over  
the IntelliSound 3



Volume separately adjustable for almost all  
Sounds (e.g. whistle, horn, station ...)

Transmission noises for Railcar, E-Locos

Available as Sound module or decoder

Sound also in Analogue

- 320 Second Sound buffer
- Sound dependent special function outputs
- 4 simultaneous channel replay
- Function Mapping up to F28
- Hall sensor connectable for wheel synch puffs
- With SUSI-Interface

IntelliSound 4 is the next advancement of the popular IntelliSound 3. The current sound quality of IntelliSound 3 could be further improved. The latest component technology makes it possible to have a digital amplifier with a great output capacity in the smallest of spaces. For optimal sound reproduction speakers from our range should be used. The higher output capacity means that the volume must be reduced, using CV settings, when the smaller speakers are used.

With the new IntelliSound 4 we fulfil the desire that almost all sound events can have their sound level adjusted independently. So the conductor's whistle or station announcement can be adjusted at will to suit the locomotive sound.

New to the IntelliSound 4 is the capability to operate in analogue layouts so that the running sounds of the locomotive that depend on speed are accurately reproduced. Even the start and shutdown sounds are played in analogue operation.

To make it even more realistic, the capability was even more improved and controlled in steps. Vehicles such as rail cars with gears or Electric Locos with switching steps now sound even more realistic.

### Become the sound engineer

One of the new features is the user friendly ways to add you own sounds. Use your own recordings to create your own locomotive sound that fulfils all your wishes to make a perfect locomotive sound. To assist you, you receive the PC-Software »IntelliSound-Creator«, with which you can program your desired sound from steam locos to diesel and E-Lok to the rail car. You can also produce all the other sound events such as random noises, horn, whistles and station announcements for the IntelliSound 4.

### IntelliSound 4 Module

For connecting to all decoders with a SUSI interface. In analogue operations the decoders must also support analogue operation. Corresponding decoders are being developed by us.  
Dimensions: 18.7 x 11.1 x 3.8 mm

**Part No. 32 500** IntelliSound 4-Modul empty  
**Part No. 32 504** IntelliSound 4-Modul with Sound

Availability: 2<sup>nd</sup> Quarter 2014

### IntelliSound 4 Decoder

Efficient decoders for the H0 domain with digital Sound in digital and analogue operations.  
Dimensions: at the time of printing: this is not known

**Part No. 36 520** IntelliSound 4 decoder 8-pol empty  
**Part No. 36 524** IntelliSound 4 decoder 8-pol with Sound  
**Part No. 36 560** IntelliSound 4 decoder PluX22 empty  
**Part No. 36 564** IntelliSound 4 decoder PluX22 with Sound

Availability: 2<sup>nd</sup> Quarter 2014

## Our Headquarters in 1:87 scale

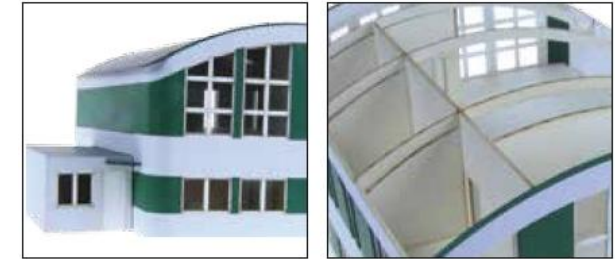
With story floors and interior walls

Laser-cut kit in 1:87 scale

In analogue operations, random on/off switching of LED lights

LED lighting in 4 sectors

Integrated Digital decoder



Dimensions (B x H x T): 178 x 97 x 218 mm

Part No. 80 200 Building model: Uhlenbrock Elektronik

Availability: 2<sup>nd</sup> Quarter 2014

**TIP**

Control up to 20 LEDs for the house lighting with our LED lighting effect unit (Part No 67400). Use the random generator to switch LEDs on and off. Effects such as blinking light switch, fluorescent light simulation or a flickering welding light can be achieved with the device. LEDs in many different colours are available. All parts of the lighting can be connected without needing to solder any connections.



## DCC Radio – Control locomotives and turnout directly by Radio

- Range up to 100 m (open area)
- Operates up to 20 Radio Hand controllers simultaneously
- Radio-Master connectable to an Intellibox, Intellibox IR, Intellibox Basic, Intellibox II, IB-Com, System Control 7, TwinCenter, Piko Power-Box
- Radio transmission of DCC Commands with Radio-Master LN+DCC

**Our expandable Radio system now allows you to enjoy all the freedoms of a wireless model railway control.**

The basis of the Radio systems is the Radio-Master. It is the radio centre, in which all wireless sequences are coordinated and executed.

Depending on the system configuration, between 4 and 20 wireless hand controllers can be installed simultaneously. The DAISY II-Radio Hand controller can be easily loaded with the enclosed loading adapter.

### DCC-Radio

In order to be able to control a garden train a reliable transmission of the digital signal to the locomotive is required. This reliability is not always available via the rails e.g. with dirty track sections, so that there are constant dropouts. The option now is not to send the digital signal via the unreliable track but direct to the relevant locomotive decoder via the radio link.

### What do I need?

In order to be able to use the radio system a digital center with LocoNet is required like, for example, Intellibox, IB-Basic, IB-Com ...

### I would like to use a Radio-Hand controller on my digital system. What do I need?

In order to operate the Radio-hand controller DAISY II, a Radio-Master LN or LN+DCC is required.

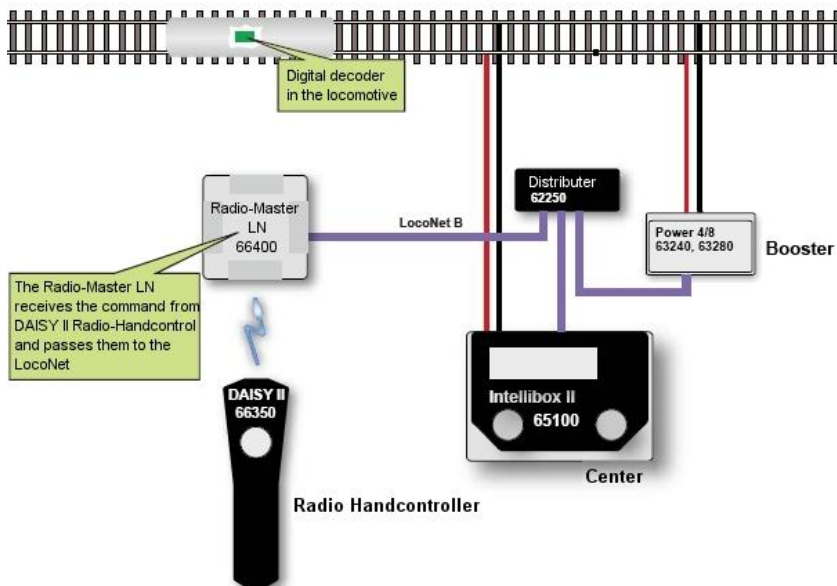
### I would like to use my garden railway vehicles with DCC Radio. What do I need?

For this you need the unique Radio-Master LN+DCC and install a Radio-Receiver GT-Xcontrol on the vehicle that is to be controlled by Radio remote. You can then also use the DAISY II Radio-Hand controller. For the power to the layout you can connect digital power to the track. That also allows you to have vehicles without Radio-receivers at the same time.

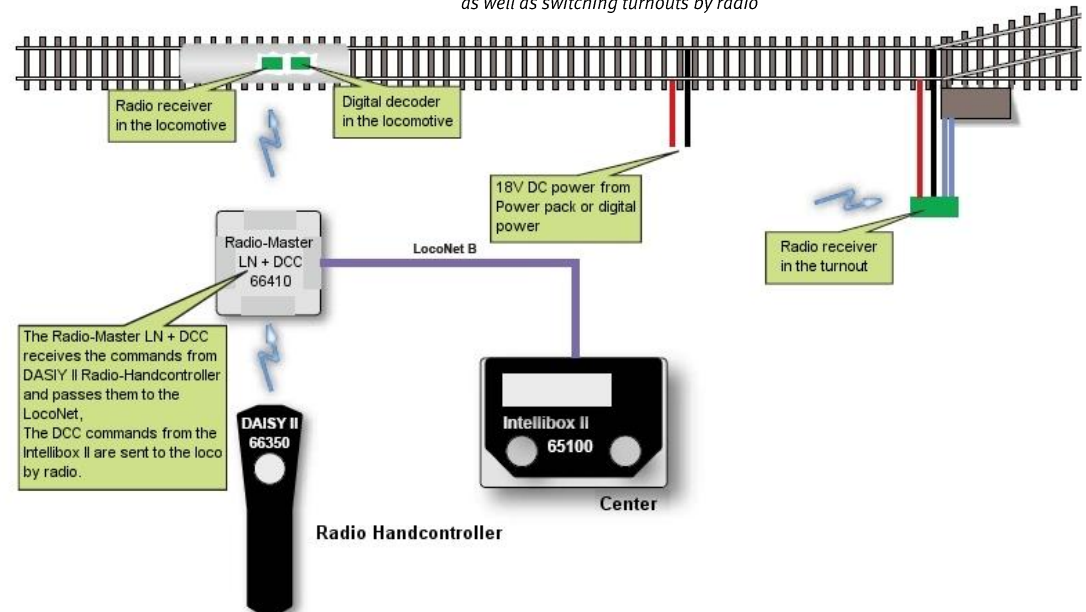
If all vehicles are fitted with a Radio-Receiver GT-Xcontrol, then a DC power supply 18–24V can be used. This can also be done with a battery at the track or in the locomotive.

The Radio-Receiver GT-Xcontrol is also intended for use with turnout motors. So now the turnouts can be controlled directly by DCC-Radio.

*Digital system with Radio-Handcontroller*



*Digital system with Radio-Handcontroller and running of locomotives as well as switching turnouts by radio*



## DAISY II – LocoNet or Radio Hand-controller

- High visibility display with yellow text
- Up to 9999 decoder addresses and 128 Speed steps
- Up to 2048 turnout addresses
- Rotary controller without stop and with reversing switch
- Updatable
- Powered by power pack or LocoNet
- Can be connected to an Intellibox, Intellibox IR, Intellibox Basic, Intellibox II, IB-Com, System Control 7, TwinCenter und Piko Power-Box

**Part No. 66 350** DAISY II Radio Hand-controller with 3m Spiral cable + power pack  
**Part No. 64 400** DAISY II Radio Set: DAISY II Radio Hand-controller, Radio-Master, 3 m Spiral cable + power pack  
**Part No. 66 310** Radio module for retro-fitting DAISY II (without radio)

*Availability: 3<sup>rd</sup> Quarter 2014*

## Radio-Master

The Radio-Master is a radio center of the System. It coordinates and processes all radio operations.

- Operates with up to 20 Radio-Handcontrollers simultaneously
- Radio frequency 868 MHz
- Updatable
- Radio transmission of DCC-Commands with Radio-Master LN+DCC
- Radio-Master can connect to Intellibox, Intellibox IR, Intellibox Basic, Intellibox II, IB-Com, System Control 7, TwinCenter, Piko Power-Box

**Part No. 66 400** Radio-Master LN  
**Part No. 66 410** Radio-Master LN+DCC

*Availability: 3<sup>rd</sup> Quarter 2014*

## Radio-Receiver for DCC Radio

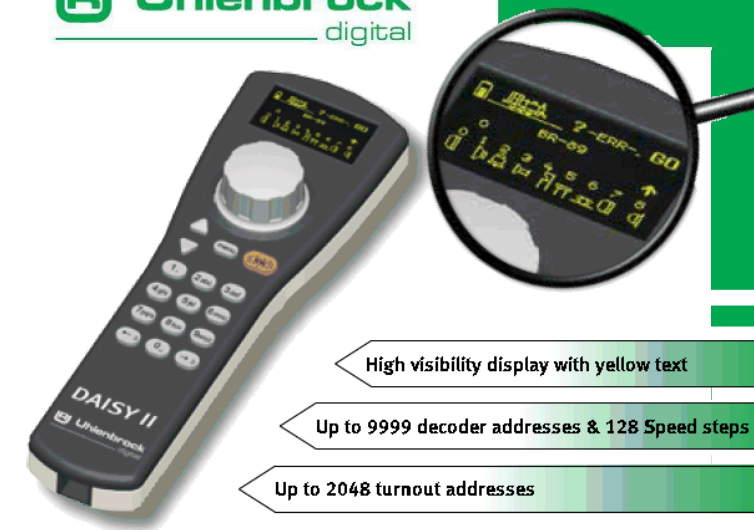
### Radio-Receiver GT-Xcontrol

GT-Xcontrol is a radio receiver that is installed between the power supply and the locomotive, that is the power pickup and the digital decoder in the locomotive.

- Can be employed with all decoders
- Up to 3A loads
- Can also be used for switching magnetic turnouts for two, and single solenoid motors (LGB, PIKO G)

**Part No. 00 721** Radio Receiver GT-Xcontrol

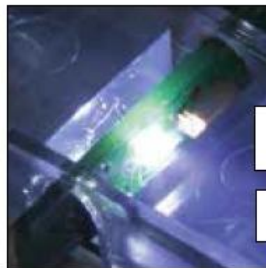
*Availability: 3<sup>rd</sup> Quarter 2014*



### Future proof!

The radio system is expandable with software. With an expansion of the software a Radio-Master LN can be made into a Radio-Master LN+DCC. Further software expansions serve to let the Radio-Master operate with the Faller Car-System and the Gamesontrack-Position.

## LED Festoon



LED

Perfect lighting from 6V



- Replacement for all 23 mm festoon light globes with 12-19V, as for example used in Roco, Lima and Ade wagons.
- For Digital, DC and AC power.

The festoon lamps that are used in many wagons are no longer available. Our new LED festoons are a replacement with clearly better performance characteristics.

Using LEDs and electronic regulation, the LED festoons achieve full brightness from 6V. The time when the wagon lights dimmed with slow running in DC and AC operations, would brighten up again at speed is increased.

With the LED festoons an almost continuous brightness is achieved. The power load is only 15mA compared to about 40mA of the original festoons.

The LED festoons are available in 2 per Pack in plain white for wagons in which the prototypes had fluorescent lamps and in warm white for wagons where the prototypes were fitted with incandescent lamps.

**Part No. 29 011**      2 LED festoons white

**Part No. 29 012**      2 LED festoons warm white

*Availability: 2<sup>nd</sup> Quarter 2014*



## - Next18-Decoder

- Data format DCC/Motorola®
- For DC and Bell armature motors
- With Next18-Interface
- Constant load 750 mA, peak load 1000 mA
- High frequency load regulation
- Direction dependent, dimmable light outputs
- 6 Special function outputs
- Function Mapping f0– f12
- SUSI connection by connector
- LISSY connection by connector
- Train end lights switchable
- Short circuit and overload protected
- Dimension 15.0 x 9.5 x 2.9 mm

IntelliDrive decoders are at the forefront of technology and guarantee optimum operating characteristics. Equipped with outputs for light and six additional special function outputs this decoder provides all switching options. The most modern chip technology results in low temperature and trouble free operation even with short power interruptions that often occur with dirty tracks and on turn outs.

**Part No. 73 230** Decoder with Next18 interface  
*Availability: 2<sup>nd</sup> Quarter 2014*



## RailCom-Expansion



### for the Intellibox and Intellibox IR

A circuit board (*not pictured*), which is installed in older models of the Intellibox and Intellibox IR (Part No. 650, 65000, 65050), to ensure that the Cutout needed for RailCom operation is transmitted. *The Intellibox must be sent to us to have the board installed.*

**Part No. 65 030**

*Availability: 2<sup>nd</sup> Quarter 2014*

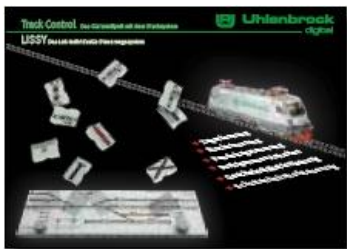


### Please Note!

The installation of the RailCom expansion is available by sending the Intellibox to Uhlenbrock Elektronik GmbH.



## LISSY + Track-Control



Product overview of the LISSY feedback system and the track plan control desk Track-Control

Part No. 13 090 Prospectus, 8 pages,  
DIN A4 landscape



## New Items 2013: DAISY II + Universal Control

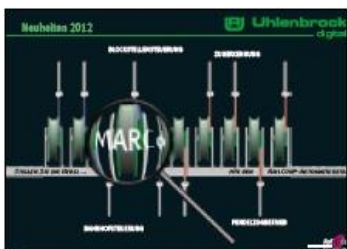


Introduction: Radio Hand-controller DAISY II and Universal Control for block sections and shadow stations.

Part No. 11130 Prospectus, 8 pages,  
DIN A4 landscape



## New Items 2012: MARCo



Introduction of the MARCo-System with RailCom

Part No. 11120 Prospectus, 8 pages,  
DIN A4 landscape



## Autumn New Items 2013: Decoder & Sound

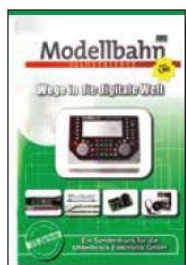


Comprehensive overview of Locomotive and Sound decoders. With all characteristics and dimensions. And much more.

Part No. 11135 Prospectus, 8 pages,  
DIN A4 landscape



## Ways into the digital World



Special edition of Modellbahn Illustrierten on the theme, Digitalization of Model railway layouts, with information on the possibilities and digital technology and a practical section.

Part No. 16 220 Special edition Modellbahn Illustrierte  
»Ways into the Digital World«  
36 pages, DIN A4



## Catalogue 2013/2014



Our 92 page complete catalogue with all products, many tips and references can be obtain for 3.50 EUR from **your** dealer, by sending stamps valued at 5.00 EUR directly to us, by ordering online from our internet site or by downloading.

Part No. 10 120 Catalogue 2013/2014  
92 pages, DIN4



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