



SMARTCONTROL

**PIKO**  
SMARTCONTROL

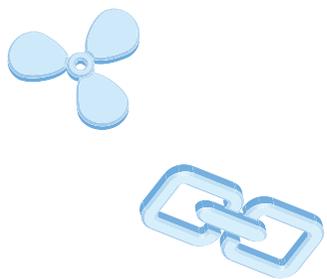
PIKO SmartControl® –  
the digital future of  
model train control!



**Automatic detection and registration of locomotives**  
(if equipped with RailComPlus®-decoder)

**Programming**  
with comfortable menu





# brilliantly simple – simply brilliant

Station announcements, lights, motor sounds, conductors whistle – with real life-like effects model train layouts become more and more realistic. Controlling such a layout should be user friendly and should not require constantly looking at displays or digital central stations. The new PIKO SmartControl® System is the perfect choice for model train enthusiasts who want a modern and simple digital control system. It can be used for H0, TT as well as N-scale and with all track systems (only using DCC decoders). It combines the advantages of a smartphone-control with the special requirements of the model train hobby.

## PIKO SmartController®

Using the wireless PIKO SmartController handset you can select and control your trains, switches, and signals by the simple touch of a finger on the high-resolution touch screen. Thanks to the Android operating system, using the handset is just as easy and intuitive as using your smartphone. Icons show the available features at all times. A large metal dial allows for precise speed control and “eyes-off” operation. The speed dial will automatically adjust to the current speed step every time you switch locomotives.

Just like the locomotives, all your switches and signals can be named. Additionally they can be assigned icons to better distinguish between them.

Decoder and system settings can be conveniently configured using the touch screen.

When not in use, the high-capacity battery is charged via the USB connector.

### Please note:

The PIKO SmartController can only be used in conjunction with the PIKO SmartBox. The PIKO SmartBox sends the commands to the locomotives and accessories. You can use up to 32 PIKO SmartControllers with a PIKO SmartBox.

## PIKO SMARTCONTROLLER

The powerful PIKO SmartController has the following main features:

- + Android 4.1.x operating system
- + ARM CPU with > 1 GHz clock speed, 512 MB RAM, 2 GB Flash ROM
- + 3.2” TFT display, 800x400 resolution
- + Capacitative multi-touch panel with softkeys
- + Powered dial with end stop and micro switch for changing direction.
- + 2 user-customizable function buttons on each side.
- + USB port for software updates and battery charging.
- + Internal battery, 5 to 8 hours of battery life.
- + Internal battery can be removed by removing two screws and unplugging it.
- + 3.5 mm stereo headset port (microphone & headphone)



### 55041 PIKO SmartController

- PIKO SmartController
- USB Charger for SmartController w/Cable
- PIKO Lanyard
- User manual



### Locomotives

The internal database can hold more than 16,000 locomotives with individual names and symbols and up to 29 functions per locomotive.



### Consisting

Up to 4 locomotives per consist.  
The system creates a virtual consist.

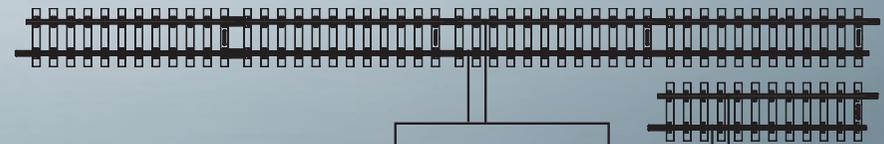


WLAN



### Switches and accessories

More than 1,000 accessories or switches can be configured in the system and switched graphically.



# 55046 Desktop-style power supply 230 V



# 55048 Desktop-style power supply 120 V



PIKO SmartController

## PIKO Smartbox®

The handheld PIKO SmartController communicates via wireless LAN with the PIKO SmartBox, which connects to the track to supply both power and digital signals to trains and accessories. The integrated 5A booster\* in the SmartBox allows it to power even large layouts with no problem.

Locomotives with RailComPlus® decoders will register automatically and will automatically provide their function key icons to the system. A separate programming track comes in handy when configuring other DCC-compliant decoders. Thanks to RailComPlus®, decoder settings can be modified on the main track.

The PIKO SmartBox communicates with the PIKO SmartController via wireless LAN. Both components connect automatically. No additional configuration, download or equipment purchase is required. All necessary components as well as a power supply are included with the system.

For expanding layouts, additional boosters and occupancy detectors can be connected to the PIKO SmartBox without difficulty. A PC running model railroad control software can also be connected to the system via wired or wireless LAN. Multiple PIKO SmartController handsets can be used simultaneously with a single PIKO SmartBox.

If desired, the PIKO SmartBox can be integrated into your home network.

Products, specifications and availability subject to change.

PIKO SmartControl®, PIKO SmartController® and PIKO SmartBox® are registered trademarks.  
RailComPlus® is a registered trademark.

\* with power supply #55046/#55048

## PIKO SMARTBOX

The powerful PIKO SmartBox® has the following main features:

### DCC Central Station with RailComPlus

- + All DCC modes (14, 28, 128 speed steps, LGB serial) long and short addresses are supported.
- + Up to 16,384 locomotives.
- + Up to 28 individually assignable functions per locomotive.

### Integrated booster for main track, up to 5 A output\* (adjustable)

- + Suitable for N, TT and H0 scale

### Integrated programming track output for decoder programming

- + Full support of all DCC service mode commands
- + Import all decoders used by PIKO to date (Excludes old AnDi decoders!)
- + Import locomotives

### Power Supply

- + DC 5.5 mm / 2.1 mm socket for external regulated DC power supply.
- + Low voltage monitoring and auto shut-off

### Wireless LAN receiver for the PIKO SmartController

- + Standalone mode: The PIKO SmartBox will create a wireless network for the controllers, no internet access
- + Accesspoint: The PIKO SmartBox connects to your home network
- + Up to 32 wireless controllers
- + WLAN module for connecting to all common WLAN access points
- + Compliant with all relevant IEEE WLAN standards. Suitable for use in America and Europe

### Ethernet-Port

- + Connection to home network for software updates and computer interface

### Loconet-T Extension Port

- + Wired controllers
  - + Occupancy detectors
- With the Loco-Net Converter the PIKO SmartBox® can be connected with a LocoNet® network.

### 55044 PIKO Loco-Net Converter

With #55044 the PIKO SmartBox® can be connected with a LocoNet® network.

The adapter has four LocoNet plugs and is powered via the PIKO SmartBox® with up to 500 mA.

(LocoNet® is a registered trademark of Digitrax Inc, Norcross Ga., US)



Enter the digital future of  
model train control!



# Premium Train Sets

With these sets, PIKO offers the ideal entry to digital model railroading. They contain all components of the PIKO SmartControl digital system as well as digital sound locomotives and large layouts, allowing maximum model railroading fun right out of the box .



The Premium Train Sets contain:  
PIKO SmartController, PIKO SmartBox, Safety-Approved Power Supply - Output: 16VDC@ 2.25A, USB power supply incl. cable as well as PIKO lanyard and user manual. These digital components are also available separately as:  
**55040 PIKO SmartControl Basic Set**



59112 PIKO Premium SmartControl Starter Set, RegioExpress with Sound



59113 PIKO Premium SmartControl Starter Set, Tank Train with Sound

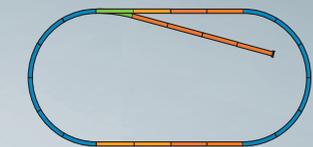




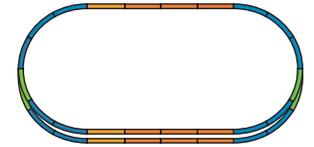
Photo: Ulrich Budde



**59116 PIKO PREMIUM Train Set Passenger Train BR 221 DB with Sound**

The cult locomotive BR 221 pulls the authentic two-car TEE 34 "Merkur" on its journey from Hamburg to Puttgarden.

With the radio-controlled PIKO SmartControl system, the train can be digitally controlled independently on the big oval track with railroad siding and offers the biggest model railroad fun. Cars can be shunted on the railroad siding. The loco is equipped with a PIKO sound decoder. The decoder has a total of 25 switchable functions, such as engine sounds, switchable driver's cab lighting and further sounds such as e.g. station announcements.

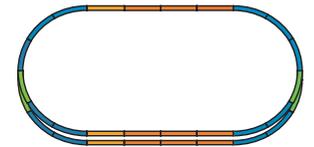


**PIKO PREMIUM Train Set Passenger Train BR 243 DR with Sound**

The commuter train "Sputnik" with the typical double-deck cars operating on the Berlin outer ring is circling with the robust BR 243 as locomotive.

With the radio-controlled PIKO SmartControl system, the train can be digitally controlled independently on the big oval track with railroad siding and offers the biggest model railroad fun.

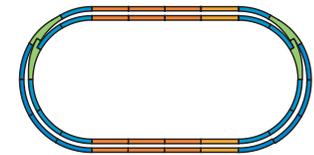
Cars can be shunted on the railroad siding. The loco is equipped with a PIKO sound decoder. The decoder has a total of 27 switchable functions, such as engine sounds, switchable driver's cab lighting and further sounds such as e.g. station announcements.



**59114 PIKO Premium SmartControl Starter Set, ICE3 & Freight Train with Sound**

Two modern train sets that can be individually controlled by the wireless PIKO SmartControl® system provide endless model train fun. Two large track ovals that are connected by multiple curved switches showcase the advantages of

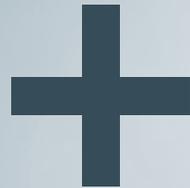
the PIKO SmartControl® system and allow for realistic train operation. The locomotives are equipped with Lok-Sounddecoders. A variety of locomotive-specific sounds can be triggered individually.



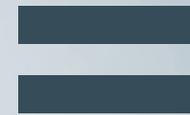
# Major milestones



simple



brilliant



simply brilliant

**Try PIKO SmartControl®  
at your retailer!**

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