

5 CLUB
NEWS
2010

märklin INSIDER

Seminars, models, partners
Full review of new Club services

Fall highlights 2010:
Model railroad exhibition in Cologne
Analogue regulation for all mfx locomotives



Realistic running: using the newly-developed analog regulation, the Insider model of the class 03.10 mobilizes unsuspected reserves when climbing. The innovation will in future be standard for all mfx models by Märklin.

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märklin INSIDER



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In the Club mailing 05/2010 you will find the following enclosures: Insider News 05/2010, Märklin Magazin 05/2010.



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Visitor magnet: Europe's largest model railroad exhibition in Cologne attracts with exciting models and information.



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Credits: MIST 4, the Ruhr area round table, goes public with their model railroad hobby – even prototypically in the rail bus.

Your service numbers

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Moving?

Please inform us in good time of your new address so we will know where we can reach you. A forwarding address at the Post Office unfortunately will not suffice.

Thank you for your cooperation!

Dear Insiders,

Just what an enormous following the model railroad hobby has was once again shown by the Open Day in Factory No. 1 – a full report will follow in the next issue. The enthusiasm is a confirmation and at the same time a spur for us: thus our electronics department has developed a new analog control which makes the running behavior, particularly when climbing, even more similar to the prototypes. The technology is used for the first time to equip the current Insider model. We also show you exclusively in this issue the final assembly of the class 03.10. Märklin continues to make substantial investments – in the Club service as well, as the feature on pages 14 and 15 shows. It is a special pleasure to introduce Round Table MIST 4 from the Ruhr – it is celebrating its tenth anniversary this year. Our service section gives information on the most important dates in the next few months (seminars and digital info-days), and we let Porsche have the last word: the premium manufacturer's museum in Stuttgart is a new Märklin cooperation partner. Enjoy reading your Club News, and best wishes from



Dietmar Kötze,
Head of Customer Clubs

Dietmar Kötze

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Shop window for top models: colorful running enjoyment on the large Märklin layout at the Cologne Railway Exhibition.

Mega-event model railroad exhibition in Cologne

Any number of tips and premieres



Professional support: Märklin experts give practical tips.

Märklin presents its top attractions of the year 2010 at the 27th International Model Railway Exhibition in Cologne from November 18 to 21. But there are other things to take your breath away apart from the Insider 03.10 loco, the "Glass Train" or the TGV POS high-speed train: on the model railroad market leader's stand there is also the layout designed and constructed with plenty of detail knowledge. Especially important for Insiders: In Cologne, Märklin will present for the first time the Insider Models of the Year for 2011. There's sure to be an enthusiastic reception for the special exhibition wagon, available from dealers in the Cologne area. The IMA special car is to be the X05 type (item No. 48310) of the German Federal Railroad, with its characteristic brakeman's cab, loaded with an attractive D40L Deutz tractor. The fall meet is open on the Kölnmesse showground daily from 9 a.m. to 6 p.m. or 5 p.m. on Sunday.

Hall 4.1 is housing the model railroad exhibition, Hall 4.2 the Cologne live-steam meet and Hall 5 is devoted to accessories. Authorized to join in the IMA for the first time are merchandise dealers. Further info under: www.modellbahn-koeln.de.



Eye-catcher: The Märklin products as well as the 2011 Insider models are all attractions for the visitors to the IMA.



Märklin's special car for the Modellbahn Köln: the German Federal Railroad type X05 flat car is loaded with a D40L Deutz tractor.

"Railhobby" prize awards

Filigree work recognized

The Railhobby awards are made every year – the readers of the well-known specialist Dutch model railroaders magazine "Railhobby" decide on the best in eleven model railroad categories. For the freight cars, the car the model railroad enthusiasts put on the pedestal was the highly-detailed two-piece crane car set 86571 in Z gauge by Märklin. The first place for the low-side gondolas and the finely-worked German Federal Railroad crane car is thoroughly justified: the crane cab revolves, boom

and boom supports are moveable and the crane hook can be raised and lowered with a hand-crank – all this is "not exactly a matter of course for such a small model, measuring rather less than ten centimeters", but Märklin's project turned out really well as Railhobby argued when justifying the award made recently for the car dating from era III.



Impressed "Railhobby" readers:
An award for the filigree work and functionality of the Z-gauge crane car set.



New fall releases with exclusive character

Anniversary locomotive sparkles

There is no doubt that the class 120.1 H0 electric locomotive is one of the highlights of the fall innovations by Märklin. In its tasteful celebratory livery, model 37542, being produced as a one-time-only series for Insider members, is reminiscent of Märklin's own anniversary loco "175 Years of Railroads in Germany", which is presently on tour throughout the federal republic. The magnificent example will also be available in Z gauge as item 88480.

Digital functions	Central Unit 6021	Mobile Station 60652	Mobile Station 60653	Central Station 60212
Headlights	●	●	●	●
Engineer's cab lighting	●	●	●	●
Station announcement	●	●	●	●
Warning horn	●	●	●	●
Direct control	●	●	●	●

The anniversary model: The class 120.1 in black, red and gold.





Insider model class 03.10: The highlight of the year is being shipped,

Assembly of a real beauty

The Insider model is considered to be the "Coronation" in the model railroading year in terms of engineering, value and detailing. The class 03.10 is now being assembled – and it's not only Quality taking a closer look here.



Highest quality and the finest of detailing: Both locomotive body and tender of the class 03.10 are made largely of metal.

Although the squad of new products from Märklin is impressing every year, there is always special attention paid to one particular locomotive: The Insider model shines over everything. The store sign for the year's production from Märklin is traditionally to show the art of model railroading in terms of engineering, value and the degree of detailing. This is the reason why the workforce of this traditional Göppingen-based company is again all heart and soul for this year's Insider Model and will be very inquisitive in following the making of this outstanding model – after all it will have become the limelight of the entire model railroading world just a few days after delivery. And it is then to be seen exclusively on Club members' layouts or in their display cabinets. Tension grips the staff in the Stuttgarter Straße in Göppingen. "We give the production and assembly of the class 03.10



our very special attention", explains Karl-Heinz Gräßle. The Product Manager H0 at Märklin has a particularly good feeling for this year's steam locomotive. "With the characteristic sandboxes on the outside and the conical high-performance boiler, the class 03.10 is typical for the high degree of detailing in a model from Märklin" Gräßle continues. And typical as well for Märklin: The high proportion of metal in the overall construction of the locomotive. This can be seen in the tender as well. Justice is easily done to the label "Highlight" by the express train steam locomotive with the diecast zinc boiler - alone the number of lube lines that have been included is impressive, the open-worked sectional underframe testifies the artistic workmanship, and the entirety of the noise options leaves nothing still to be desired. "We have for the first time realized a tender with two moving cover flaps just like the original", says Gräßle in mentioning yet another extraordinary feature of this year's Insider model. "And for the first time as well, we are delivering a locomotive with our new analog-control system for running operations." Accordingly demanding are the steps to assemble the class 03.10 from the components meeting the defined quality criteria. "The overall assembly process is made up of more than 20 single steps for lower section, locomotive bodywork, tender as well as programming the software



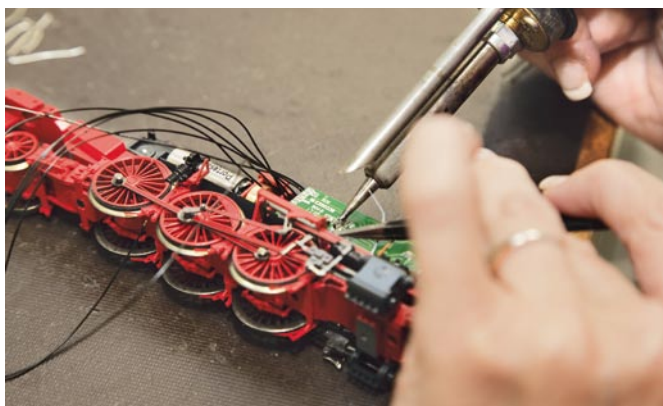
The circuit board with the electronics is carefully fitted to the lower section.



The bell-armature motor is then underneath the diecast boiler.

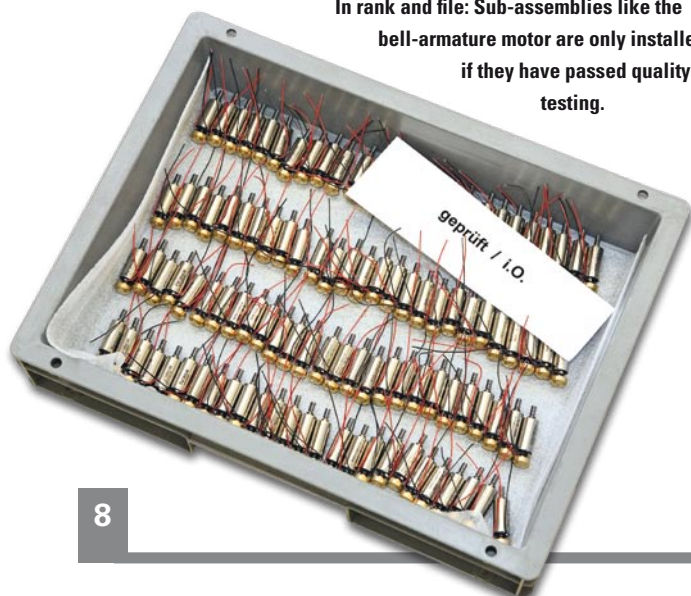


Gyro just before the ceremonious moment: The assembly department calls the connection between the lower and upper sections of the locomotive the "marriage". To be seen in the tender is the circuit board with the electronics for all the noise functions.



Making contact: The motor connections are soldered on with care.

In rank and file: Sub-assemblies like the bell-armature motor are only installed if they have passed quality testing.



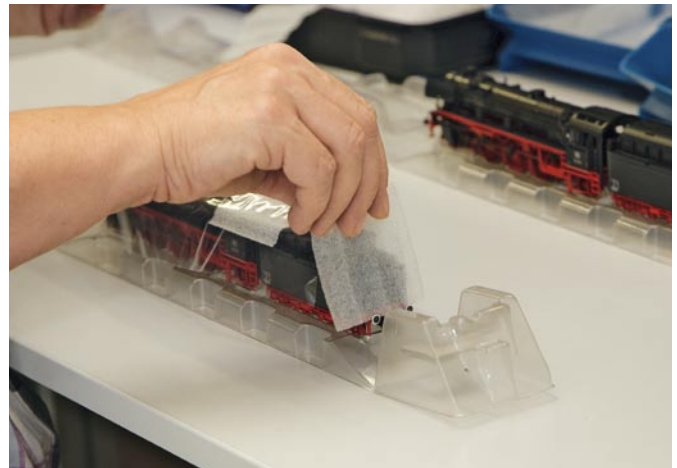
for the electronics", adds Thomas Schork, head of assembly operations. Each operation has been matched exactly to the requirements of the next step and as is the case with all models, all assembly work is executed with the greatest of care. The precious piecemeal of the Insider model does however call for a special feeling and this has been demonstrated beforehand: "The purpose of a pilot series of some 50 locomotives was not just to find out the improvements possible from the long-term running trials we conduct - we were also able to optimize our assembly processes".

The time for final testing has arrived once the locomotive's lower and upper sections have been "married", the bell-armature motor is firmly in position in the boiler and all the handlebars and controller rods have been fitted. "The fully assembled locomotives are first of all subjected to the entire test procedure, whereby all the electrical functions are verified" reports Schork. Not only perfect running forwards and in reverse is expected, the head-lights, the locomotive and switching whistles, and all the noises possible during travel have to be correct. The warm-white light-emitting diodes, the smoke unit's contacts and the direct-control system are of course all on the checklist. Finally, the running behavior over all possible track configurations is critically assessed.

Yet this is not all. Even though Quality has already inspected the components, this department reviews the results from testing. "Once the class 03.10 has been thoroughly tested and packed, Quality will then pull samples on a random



Elaborate details: Many of the add-on parts are attached by hand.



The final manual operation: The class 03.10 is placed in shock-proof packaging.

basis once a day", explains Schork. In the audits the locomotives are subjected to more testing – this time of a nature more specific to the Insider model: From the basic idea to the final product, the quality engineers monitor the results of each and every work step – even the software like e.g. the latest in analog control engineering (refer to the interview on page 10) is looked at closely to detect any

weaknesses. H0 Product Manager Gräßle considers the loop included at the end of this quality assurance process to be indispensable: "Whether development, die-casting, electroplating, painting or assembly - everyone has given their best. It's important here that the final product as well will meet our quality standards."

Text: Rochus Rademacher / Photographs: Dietmar Kötzle

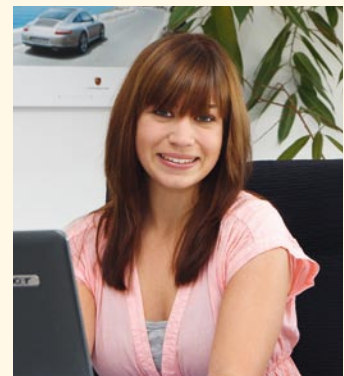
Survey on Club models

Large response from Club members

The resonance was fantastic: More than 10000 Insiders took part in the survey that Märklin conducted in June and July of this year for the Club models in the Club area. At this point we want to express our sincere gratitude for this. We asked about the various classes besides the gauges, eras and types of traction (steam locomotive, electric locomotive, diesel locomotive) being requested. It has taken several weeks alone just to analyze the results. The person responsible at Märklin for such meticulous evaluation of the results is Ramona Winkler (picture on the right). She is currently studying at the college for cooperative education

in Heidenheim. As part of her project work she assumed the task of analyzing the results from this Insider survey on a scientific basis.

"A very exciting assignment" according to Winkler, "because this directly concerns the wishes of Märklin's core target group: The Club members." The results from this survey will now flow directly into product planning in the coming years. The biggest wish of all participants: Optimum satisfaction for all Club members where possible.



Club model for 2010: the class 03.10.



Extremely realistic running characteristics: due to its integrated analog control, the class 03.10 climbs steep grades without losing speed.

Analog control will be the future standard for mfx models: Märklin enhances realism

Power reserve for the climb

Märklin has already set the standards for digital controls. "Now we are integrating an analog control in all our mfx Models", as the responsible electronics engineer Jürgen Pudert announces a new standard. Optimization of the running characteristics will be premiered in this year's class 03.10 Insider model.

Märklin-Insider: What specifically prompted the further development of running characteristics in analog operation?

Pudert: Despite the advance of multiple-train technology in the Märklin model railroad, we still have a huge number of Märklin customers who use analog controls with alternating current to operate their models. Naturally, we do not wish to – indeed we must not – ignore this customer sector. Extensive customer surveys have shown us where there is still potential for improvement. Analog railroaders as well would like to see the running behavior of their vehicles approach that of the prototype as closely as possible, and have enjoyment from clean-cut running characteristics in all operating situations. And those are exactly the requirements that the analog control is designed to cover.

Märklin-Insider: What actually happens in the controller?

Pudert: The analog controller, or the transformer, works

unaltered. The locomotive detects the traction current, but doesn't automatically do precisely what the controller voltage tells it – the analog regulation is interposed, and this warns for example on a falling grade "you're going too fast and must slow down". This module is pure software and has been further optimized for the new mfx models. If there is a positive response from our customers, there is nothing else stopping a comprehensive introduction of this technology.

Märklin-Insider: How does the controller function then?

Pudert: With a digital controller, there is a constant maximum voltage across the rails. This means that there are always power reserves available for speed. An analog loco however only has the set voltage. Now in order to prevent it slowing down when climbing or in curves, we feed in a control reserve: we do this by simply lowering

the voltage to start with, so that the loco can mobilize a reserve if it needs it. For the technically minded: the track voltage is altered by a pulse width modulation in the locomotive, whereby the current changes between two values. So the width of the impulse is modulated.

Märklin-Insider: How does the control reserve actually work?

Pudert: The model railroader has in principle virtually all the proven characteristics of digital running. The digital loco can admittedly run a little faster: it always has the full 20 volts across the rails. The analog loco can only run at maximum with its full control reserve.

Märklin-Insider: When is the difference noticeable?

Pudert: Only at low speeds. An unregulated analog loco will start at about 6.5 volts, a regulated one needs about one volt more – that is the reserve. Consequently, the regulated analog loco starts up a trace later. But you won't notice that in operation – it can only be detected across the rails with a voltmeter.

Märklin-Insider: How was the analog module tested?

Pudert: The analog regulation celebrates its premiere in this year's Insider model, the class 03.10. In the laboratory we tested two of these locomotives with the same train consist parallel on a climb. And as could have been foreseen, the regulated loco overtook the unregulated loco when climbing, downhill the reverse was the case. So the 03.10 with module compensates for the load, does not fade on the climb and does not accelerate on down grades.

Märklin-Insider: That sounds like a fairly easy exercise. How much work was actually involved?

Pudert: Although we had certain empirical values relating to technical solutions in earlier generations of Märklin electronics already to hand, we had to approach this



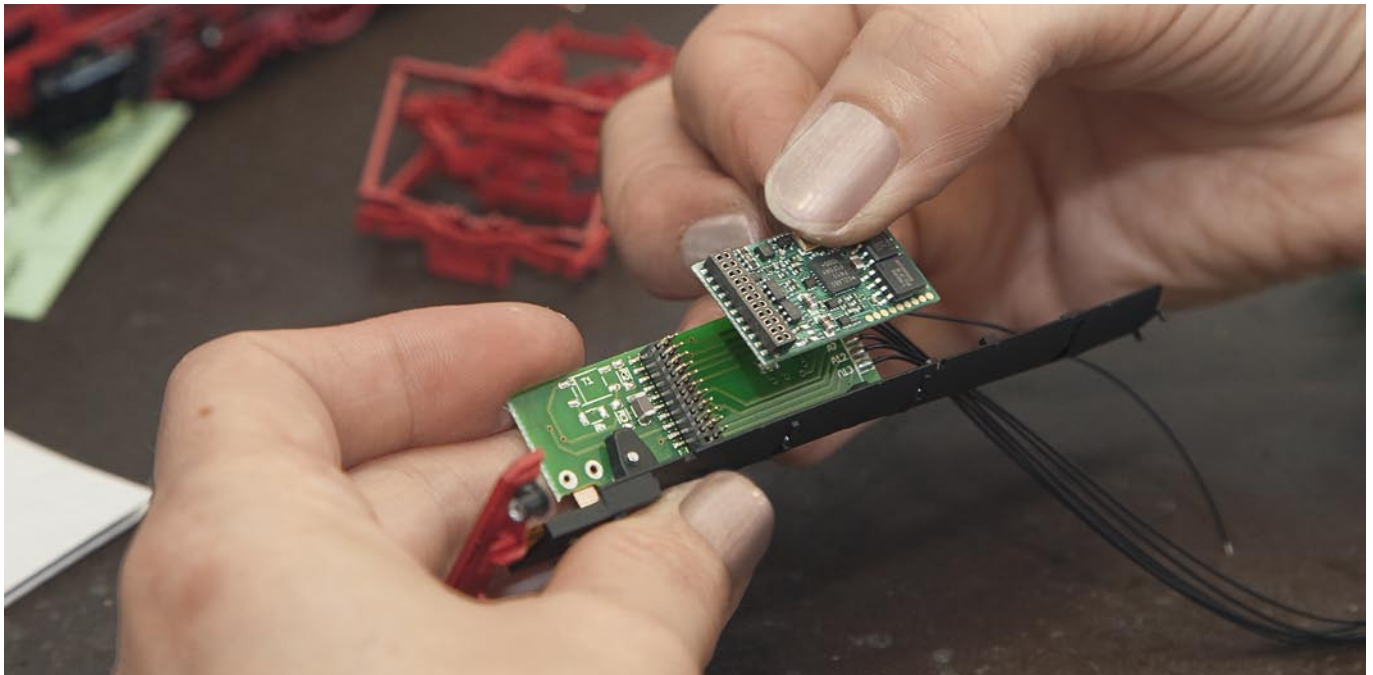
Engineer Jürgen Pudert: The Märklin electronics expert played a major part in development of the analog control.



Hill-climbing test: in the test lab the analog-controlled class 03.10 (right) leaves the uncontrolled loco behind it on the climb.



A relaxed test-run: in a slow running test, the 2010 Insider model has no trouble negotiating sharp curves.



Simple upgrading: in future the analog regulation software will be contained in the decoder straight from the factory in all mfx models.

subject anew with a comprehensive range of tests. These enabled us for example to optimize the range for the regulation reserve. If it were too large, the loco would only start once the controller was on half power; too small, and there would be no effect at all. And like all Märklin innovations, the software had to be cleared by Quality Assurance department after a thorough test of wind and limb.

Märklin-Insider: So what in fact is the added value of the new standards for an analog model railroader?

Pudert: The advantage for the large number of analog operators lies in the enhanced operating safety and a running behavior approaching the quality of digital operation. Naturally the analog-digital-mix operators who switch over between analog and digital will also benefit.

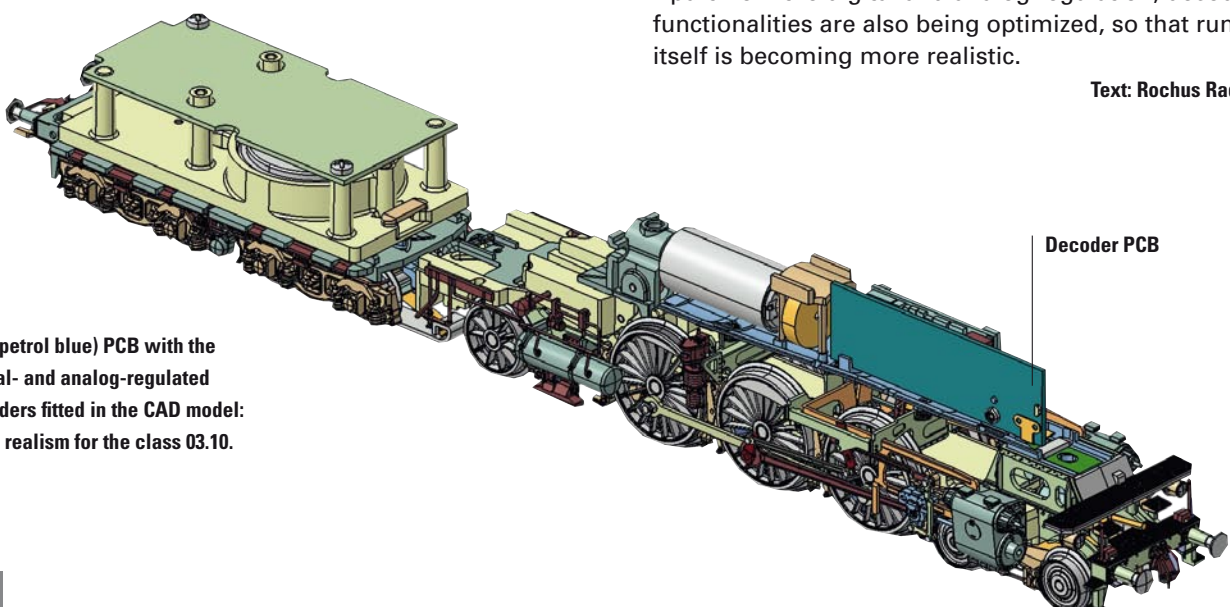
Märklin Insider: What was the biggest challenge in developing the analog regulation?

Pudert: The adaptation of theory to practice. Whether digital or analog – to take a regulation algorithm out of the training manual and digitalize it, that's the easy part. The difficult part is then persuading the locomotive to process the algorithm in the way you want it processed – and that is precisely where the unique skills of Märklin come into play.

Märklin-Insider: Let's look at electronic developments in general: what tendencies are there to be seen?

Pudert: The major trend is towards greater realism – this applies both to the detailing on the models and to the running behavior, which is influenced by the electronics. Apart from the digital and analog regulation, decoder functionalities are also being optimized, so that running itself is becoming more realistic.

Text: Rochus Rademacher



The (petrol blue) PCB with the digital- and analog-regulated decoders fitted in the CAD model: more realism for the class 03.10.

Promotional models August & September 2010

H0



4415.530 "Eichbaum Hefe Weizen"
Heinrich Grimm, Grabengasse 7, 69469 Weinheim,
Tel.: 062 01/1 27 75, www.grimmtrain.de



4415.531 "175 Jahre Eisenbahn"
Available from Bahn Shop 1435 as well as in
the DB Museum in Nuremberg.



94353 "Märklin Shop Göppingen/Győr"

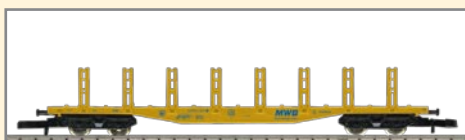
This special car was produced for the opening of the first Märklin shop in Hungary. The "Little World of Experience" opened on the factory premises in Győr with personal support from Göppingen sells a large proportion of the current product programs in the Märklin, Trix and LGB ranges, as well as layout building accessories and the popular articles found in the Fan-Shop. The model with differently-printed sides can be obtained in the Märklin shop in Hungary as well as in the Märklin Erlebniswelt in Göppingen.



Z



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61020 Kimstad, Sweden, Tel.: +46(0) 11-5 38 36



Please note:

Promotional models are only made for Märklin dealers or companies from the industry etc. (the latter are marked with an *). Models marked with an * are generally not available for purchase. This is why we do not list addresses for these models. The only models which are published on these pages are those which have already been delivered and only if we have the express permission of the ordering party.



Always available for exclusive customers: The staff in our Club Service department look after Club members at all the major exhibitions with great commitment. A special counter is set up for them at the Märklin stand.

Service orientation: Märklin invests in an efficient Club administration

Sign of appreciation

Club members are our premium customers and they enjoy special treatment from Märklin. They are looked after with a hot line which was specially set up for the purpose and which makes use of a database constantly updated with new products and services.

For Märklin, the Club members are premium customers. That is why the company has decided to make additional investment in the Club administration and take care of them via a hot line directly from the company. Now all Club members are looked after exclusively through the fundamentally reorganized service center.

"A large proportion of our Customer Service staff are constantly involved either directly or indirectly with wishes and suggestions from Club members", as Frank Mayer, Märklin Customer Service manager reports. At times of peak demand, twelve people in Göppingen alone are in contact with the Märklinists. That means about a third of the service staff are involved purely with Club administration. "On top of that is the technical advice of which we know from experience our members like to

make extensive use".

When answering telephone calls and e-mails, the hot-line team is supported by a database: here all the information is stored right from the member's address and the date of joining and account details through to the preferred gauge. If a member moves or if post goes missing, or a mailing is incorrect – the databank knows the status quo. Due to Märklin's enormous product range, the database is extremely





Exclusive for Club members: this year's Insider model the class 03.10.

complex and new services and offers are constantly introduced which all need fitting in. Details of the Club members are in good hands: Märklin is a scrupulous observer of the legal provisions concerning the security of personal data, and this is monitored by the company's own data protection nominee.

Specialist knowledge is a precondition for the Club administrative staff due to the broad scope of Club facilities. "So that they can help members with competent answers or solutions to problems, regular retraining courses are essential", Mayer explains. "Internal new release and product training are all part of the basic program in this field".

Text: Rochus Rademacher

Lots of benefits

Insider Club members know more: apart from the six issues of the Märklin Magazin every year, Märklin supplies in-depth knowledge directly to its premium customers in the shape of the six issues of Club-News – these improve transparency, give information on Club activities, give Insider tips and afford an insight into the workings of the company. Also covered by the membership subscription are the profusely illustrated catalog and the annual chronicle on DVD, which appears in two parts – in May and December. Not only this, Club members are entitled to acquire a Car of the Year as well as the Club and anniversary models – not to forget the some 80 museums and permanent exhibitions where members are given a discount on the entrance fee or special rates on showing their Club card.

Three things will help the hot line answer members' enquiries by e-mail (service@maerklin.de) or telephone under +49 (0) 71 61/6 08-2 13 quickly and efficiently:

- have your membership number ready, or quote it in the e-mail,
- have a pen handy in case you have to note a password,
- and remember queries relating to bank transfers are dealt with more easily if you have the corresponding bank statement with date and amount in front of you.



No suggestion made by a Club member goes astray

"Ever since the Märklin Customer Club was started, we have been in close contact with possibly the most faithful and enthusiastic supporters of the Märklin company, an astonishing number of whom right from the start were absolutely inspired by this facility", reports Service Manager Frank Mayer. Whether it's recording individual opinions or surveys carried out with a broad base – "all information is an important factor for us when we decide on future product and company



Frank Mayer is in charge of Märklin's Customer Service organization.

policy. That is why we record all of it internally and evaluate it". All the suggestions we have put to us in innumerable conversations at fairs and exhibitions are passed on to the appropriate sections as well. "These interesting and stimulating chats are a positive side-effect for our staff", says Mayer. "The vast majority of conversations are really enjoyable and allow us to find out the background to our customers' wishes".



Power demonstration à la MIST 4: At the annual Long Train Events with associated Insider round tables, there has been a "Long Henry" with over 40 cars running on the Deutschland-Express layout in Gelsenkirchen.

Ruhr tradition: Ten years of Märklin Insider Round Table 4

Märklin's precinct



Insider Club Round Table MIST 4 has established itself as a strong Märklinist platform in the Ruhr area. Its members cleverly rely on three guiding principles: specialist knowledge, running enjoyment and linking up with other model railroad enthusiasts.



Attractive variety of models: in the MIST 4 staging yard, freight trains await their signal to go.

Why do visitors to the MIST 4 Round Table have to register? This formality has nothing whatever to do with mistrust: the Ruhr area meets are great value for information and entertainment, and they are supported by a professional organizational framework with a high degree of freedom. And this openness is typical: "The normal round tabler is not some old crackpot", says founder member Hanno Brünninghaus, attacking the cliché. The integration of ambitious model railroaders into round tables and their networking with one another has grown up out of the virtual world into the real world – and it was obviously a basic requirement.

"For me, it is a clear rejection of the myth of the man of 50 plus, building his own world up in the cellar or up in the attic behind closed doors".

On the first Sunday in each odd month, we begin to set up the double track table layout at 3 p.m. "Obviously we concentrate mainly on Märklin H0 – our large C-track circle is digital, but everyone can find a niche for operating even exotic models on one of the smaller tables", says committee member Brünninghaus. When from about 4 p.m. the rest of the members arrive – probably about 70 – they know what to expect. They have already democratically chosen a particular theme, and they bring along rolling stock to suit; generally there will also be a short talk on the prototype relating to the subject of the day. For Brünninghaus this is how "all members are catered for and the programmed variety

guarantees interest". But first there is coffee and cake to accompany the "palaver": this blend of exchange of experience and information transfer gives everyone a good idea of what is happening in the sector. MIST 4 keeps in touch with dealers and with Märklin, so that Brünninghaus can always present an "info-block" with the latest Insider news. The discussion is rounded off with reports of new releases, planned activities and forthcoming events. And it is all about Märklin. "Since I was a kid, Märklin has meant model railroads to me, and model railroads meant Märklin – and that's how it is with many of my round table colleagues", admits Brünninghaus. MIST-4 member Dirk Möller nods in agreement: "Once a Märklinist, always a Märklinist", he says – he has kept the faith "ever since the first starter set". According to Brünninghaus, the company understands how to combine a contemporary degree of detailing with operating fitness, for those for whom identification with the company doesn't depend simply on the products: "I have a very high opinion of Märklin staff too – they are really friendly towards the "round tablers". Progress was also made at the "palaver" on the latest major project: in June, MIST 4 organized the four-day Mega Meeting 2010 for Model Railroaders in the Ruhr – linked to the major promotion "Ruhr 2010 European Capital of Culture". A complete success: "For example, the 180-kilometer special tour in a rail bus and trailer was fully booked with over 100 passengers", says Möller, who with



Technical skill: There are specialists at every meet to look after the repair workstations.



MIST 4 and friends on the road at the model railroaders' Mega Meeting: Rail bus departure with the Ruhrtalbahn from the museum Bochum-Dahlhausen to Zollern Colliery.



Information hub: The agenda for the meeting provides for a round of friendly chat and an "Info-block" with Insider knowledge – this way there is transparency in the affairs of MIST 4, happenings in the field and Märklin.



Hanno Brünninghaus: Not only a co-founder, but one of the motors of MIST 4.



One for all: Märklin repair car with round table lettering.

Brünninghaus, Uli Eichhorn, Martin Silz and Ralf Stumm belonged to the organization committee. Whether it's a visit to the locomotive manufacturers Vossloh, the Zeche Zollverein or the Railway Museum Bochum-Dahlhausen – in the MMM-2010 program the pride the Ruhr MIST has in its region swings along too. And as usual to mark such events, the Round Table produced a Märklin-based special car – naturally with the logo of the

BRIEF RUN-DOWN OF MIST 4



History

Hanno Brünninghaus and Burkhard Ascher founded round table "MIST 4" in December 2000 in Essen. Having started with 12 people, the meet now attracts a good 70 participants to the venue in the "Krug zur Heimat Erde" in Mülheim. MIST4 maintains a discussion culture, sees itself as an information hub and enthusiastically tends contacts with the outside. MIST 4 underlines its commitment to the region with its logo: the winding tower at Zollverein Colliery.

Events

MIST 4 has already organized two excursion trips to visit the Märklin factory. In the Deutschland-Express exhibition, Long Train Events are presented with participation of associated round tables. There have been close contacts with the Insiders in Hamburg and Stuttgart for ten years and meanwhile the network extends from Berlin to Munich and into Austria and Switzerland.

Anniversary event

"We are celebrating our tenth anniversary at Halloween 2010, that is between October 31 and November 1", advisory committee member Brünninghaus announces a further major event. Internally, there will further celebrations at the Christmas festivities.

Organization

Although not a formal club, MIST 4 does make use of organizational structures. "A 70-strong group needs a bit of law-and-order, a committee with the power to make decisions, a treasurer, a referee in case of disputes, a set of rules and an institution to make sure they are applied" is how founder member Brünninghaus justifies the setting up of the advisory committee of three people. "The three-man committee creates a framework within which the round table becomes a positive experience for all its members".

Contact

The round table meets six times a year, always on the first Sunday of odd months. Information on MIST 4 is to be found on their homepage www.mist4.de. Round tables, events and presentations are all listed there. A collection of links also leads to associated round tablers and the precinct modules.

GBAG – the Gelsenkirchen Mining Company. Annual highlights are the "Long Train Events". "Together with other round tables, we make up long trains at the Deutschland-Express and operate a staging yard – the computer controls are switched off and we operate the whole thing manually", says Möller. Then we see a "Long Henry" with over 40 cars rushing through the miniature German landscape, or a double-headed "Big Boy" freight train of at least equal length. The enthusiastic radiated effect is typical for MIST 4, which is just as closely involved in the international network as in the regional one. "In 2004, a group of MIST 4 members started the "Revier module", which has meanwhile been added to the Register of Societies", says Möller, who is one of the leading lights. The partitions between the "Remos" and MIST 4 are still porous today – in both directions. "The charm of modular construction is that in a small area a lot can be achieved with a great love for detail", says Möller with gentle promotion for the modular construction art-form.

At 5 p.m., the talk is the next item on the round table program. Whether it's switcher locos, parcels traffic, playing to a plan or the Rheingold – there is hardly a subject that MIST-4 authority Silz doesn't have at his fingertips with extensive prototype knowledge and in-depth model railroad know-how. Then over supper the informal chats and running on the layouts start. "That's when the spares boxes and repair stations open for business, looked after by the more service-oriented members", says round tabler Bodo Noethlich, mentioning a further MIST-4 magnet. "We are well equipped with experts on digital technology, card kit building, modular construction, landscape design, repairs and prototype knowledge – and all of them are ready to answer the less-experienced members' questions at any time". Around 10 p.m. an end is made. They'll be back, because here there is harmony in profusion. "The members identify very closely with the Round Table – either through our events, the special Round Table car or the service attitude of many individual round tablers", as Brünninghaus knows. And naturally, the contact doesn't break off between the full-scale meets. Brünninghaus: "I enjoy the time I am able to spend with my colleagues and my hobby – and for that, I don't have to have official meetings".

Text: Rochus Rademacher



Insider Round Tables

We support your »Insider Round Tables« by providing the appropriate platform.

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A Big Favor please:

Please notify us of any changes (moved, closed down, etc.) for the addresses given here.

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- **13409** Berlin, Sven Richter, Tel.: +49(0)177/3306565, www.mist1.de, sven@mist1.de
- **17449** Karlshagen, Hauptstr. 49, Hartmut Reinhold, Tel./Fax: +49(0)38371/20371
- **21365** Adendorf/Lüneburg, Wolfgang Merhof, Tel.: +49(0)4131/188069, huw-merhof@t-online.de
- **22419** Hamburg, Heinz Luebke, Tel.: +49(0)171/6042724, www.hamst.de, info@hamst.de
- **23552** Lübeck + 24103 Kiel, Peter Wulf, Tel.: +49(0)4381/7417, www.mit-nord.de, insidertreff-nord@gmx.de
- **23556** Lübeck, Am Grenzwall 20/22, Volker Scharf, Tel.: +49(0)451/495168, volkerscharf@foni.net and Reiner Wegner, Tel.: +49(0)451/4991562, www.mit-stammtisch-luebeck.de
- **23879** Mölln, Michael Koop, Tel.: +49(0)4542/86170
- **25541** Brunsbüttel, Jörg Wagner, Tel.: +49(0)4852/533735
- **28870** Ottersberg, Wümmeweg 11, Lothar Walter, Tel./Fax: +49(0)4205/8141
- **31582** Nienburg, Carsten Heling, Tel.: +49(0)5021/6002949
- **31832** Springe, K.-Kollwitz-Str. 21, Holger Kehrstädt, Tel.: +49(0)5041/971415, Deister-Ice@gmx.de
- **32257** Bünde, Nelkenstr. 4, Hans Bechinka, Tel./Fax: +49(0)5223/43416
- **33378** Rheda-Wiedenbrück, Torsten Piorr-Marx, Tel.: +49(0)170/8961558, anmeldung@mist-owl.de or torsten.piorr-marx@mist-owl.de, www.mist-owl.de
- **34277** Fuldabrück, Manfred Mayer, Tel.: +49(0)5665/2893, M.Baer@t-online.de, www.kist-nh.de
- **34560** Fritzlar-Geismar, Eichgarten 12, Alexander Hebel, Tel.: +49(0)172/6876943, www.insiderstammtisch-geismar.piczo.com, alexander_hebel@freenet.de
- **38100** Braunschweig, Michael Kuthe, Tel.: +49(0)151/16667104, mist3@mist3bs.de, www.mist3bs.de
- **41462** Neuss, Rainer Pucher, Tel.: +49(0)172/2069891, igel47@gmx.de
- **44141** Dortmund, Martin Meese, Tel.: +49(0)231/435686, martin.meese@hotmail.com, bernd.knaak@uni-dortmund.de, volker.stuckenholz@imail.de
- **45472** Mülheim a. d. R., Kolbusstr. 110, Krug zur Heimaterde, Hanno Brüninghaus, Tel.: +49(0)201/608261, www.stammtisch-ruhrpott.de, info@stammtisch-ruhrpott.de
- **47055** Duisburg, Fasanenstr. 19, Wolfgang Eisenmann, wanheimerort@gmx.de
- **47475** Kamp-Lintfort, Heinz-Dieter Papenberg, Tel.: +49(0)2841/51132, www.mist47.de.vu, HPapenberg@aol.com
- **48076** Münster, Postfach 470243, Christian Schmidt, mist.ms@t-online.de
- **50181** Bedburg, Desdorfer Weg 12, Norbert Burkert, Tel.: +49(0)2272/4684
- **51103** Köln, Ilmenauer Weg 11, Achim Kube, Tel.: +49(0)177/1628860, www.mist51.de, achimkube@ish.de
- **53619** Rheinbreitbach, Eifelblick 28, Jens Arenberg, Tel.: +49(0)170/2077722, mist-mittelrhein@web.de
- **53721** Siegburg, Fröhliche Eisenbahner, Thomas Hövel, Tel.: +49(0)160/1204124, http://fe.mailez.de, fe@mailez.de
- **54329** Konz-Kommlingen, Donatusstraße 5, Günter Schröter, Tel.: +49(0)6501/12280, guenterschroeter@aol.com
- **54338** Schweich, Schleheweg 2, Joachim Schloeder, Tel.: +49(0)6502/9969280, JoachimSchloeder@t-online.de
- **55126** Mainz, Am Kirschborn 20 F, Stephan Türk, Tel.: +49(0)6131/476771, tuerk@mpip-mainz.mpg.de and Stefan Claus, stefan.claus@online.de
- **55566** Bad Sobernheim, Stettiner Str. 8, Robert Nagel, robnag@web.de
- **56307** Dernbach, Hauptstr. 4, Hans-Georg Kunz, Tel.: +49(0)2689/3799, kunz_hg@yahoo.de (only Z-Stammtisch)
- **56843** Irmenach, Fehlenacher 1, Klaus Luers, Tel.: +49(0)6541/2424, Luershome@t-online.de, Tel.: +49(0)6542/963946, Wagner-neef@t-online.de
- **57567** Daaden, Mittelstr. 8, Axel Schmidt, Tel.: +49(0)2743/933660, info@modellbaumeyer.de
- **58507** Lüdenscheid, Brinker Höhe 21, Heiko Becker, Tel.: +49(0)2351/568153, becker888@freenet.de
- **59065** Hamm, Heinrich-Lübke-Str. 30, Harald Kaiser, Tel.: +49(0)2381/26876, hkkaiser@t-online.de
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- **66130** Saarbrücken, Saargemünder Str. 154, Burkhard Eins, Tel.: +49(0)681/8739507 and +49(0)178/5569462, eins@htw-saarland.de
- **67346** Speyer, Eselsdamm 8, Ulrich Klumpp, Tel.: +49(0)6232/677741, Fax: +49(0)6232/677742, uklumpp@web.de, www.mist-rhein-neckar.de
- **70374** Stuttgart, Mark Schäfer, Tel.: +49(0)7123/953257, mschaefer@mist7.de
- **70806** Kornwestheim, Guido Wettemann, gwettemann@mist7.de
- **72800** Eningen unter Achalm, Arbachtalstr. 6, Horst Boßler, Tel.: +49(0)157/03475980, www.mist72.de, mist72@mist72.de
- **79117** Freiburg, Manfred Grimm, Tel.: +49(0)761/796971, grimm-manfred@web.de
- **79312** Emmendingen, Nelkenweg 4, Eugen Schrempp, Tel.: +49(0)7641/3945
- **79650** Schopfheim, Herbert Rebscher, Tel.: +49(0)7622/669169, Insider-Stammtisch@HR-Funk.net
- **80805** München, Helmut Kern, Tel.: +49(0)174/3024414, www.mucis.de, HFKern@gmx.de
- **85250** Oberzeitelbach, Lindenstr. 12, Franz Koch, Tel.: +49(0)8254/1718, LumpiMarok@aol.com
- **85435** Erding, Karlstr. 1a, Ludwig-Josef Eglinger, Tel.: +49(0)8122/6116, eglinger@web.de
- **88348** Bad Saulgau, Siessenerstr. 2, Richard Gentner, Tel.: +49(0)7581/8818 or +49(0)172/7429464, Rigesa@t-online.de
- **88630** Pfullendorf, Schillerstr. 40 a, Peter Scherer, Tel.: +49(0)7552/929415, spielzeugscherer@freenet.de
- **89073** Ulm, Falk Dehnert, Tel.: +49(0)7348/23130, www.ulm-mist.de
- **90579** Langenzenn, Falkenstr. 32, Georg Schönfelder, Tel.: +49(0)9101/2689, kontakt@frist9.de, http://www.frist9.de
- **97486** Königsberg, Alexander Faßlirinner, Tel.: +49(0)9524/5745, Africaner@aol.com
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- **A-1000** Wien, Tel./Fax-Box: +43(01)5972728, http://www.insider-stammtisch.net, insider-stammtisch.net@aon.at
- **CH-3904** Naters, Sonnhalde 9, Werner Baier, Tel.: +41(0)279249200, mbaier@tiscalinet.ch
- **CH-8320** Fehraltorf, Ueli Schwizer, u.schwizer@greenmail.ch and Rainer Lüssi, rainer@luessi.ch, www.stayathome.ch/helis.htm
- **CH-6037** Root, Postfach 123, Märklin-Freunde-Zentralschweiz (MFZ)
- **PL-PIST 00**, Polnischer Insider-Stammtisch Warschau, Thomas Düngefeld, Tel.: +48 604/836 617, railway@duengefeld.de

Digital Info Days

Märklin Dealer for the Event	Date	Time
Germany:		
10789 Berlin, Lietzenburger Strasse 51, Modellbahn-Turberg	14.10.2010	10 am – 6 pm
42281 Wuppertal, Schützenstrasse 90, Modellbahn Matschke	09.11.2010	10 am – 6 pm
45127 Essen, Limbeker Platz 1a / Floor 1, Märklin Store Essen	10.11.2010	10 am – 6 pm
55218 Ingelheim, Mainzer Strasse 39, Modellbahnshop Huf	03.11.2010	10 am – 6 pm
55430 Oberwesel, Liebfrauenstrasse 29b - 31, Schreibwaren Hermann	04.11.2010	10 am – 6 pm
67071 Ludwigshafen, Schillerstrasse 3, Spielwaren Werst	12.11.2010	10 am – 6 pm
69469 Weinheim, Grabengasse 7, Heinrich Grimm	25.11.2010	10 am – 6 pm
70794 Filderstadt, Bernhäuser Hauptstrasse 32, Eisenbahn-Modellbau Stoll	02.12.2010	10 am – 6 pm
71334 Waiblingen, Biegelwiesenstrasse 31, Eisenbahn-Treffpunkt	03.12.2010	10 am – 6 pm
74072 Heilbronn, Allerheiligenstrasse 8, Hobby-Eberhardt	24.11.2010	10 am – 6 pm
74653 Künzelsau, Hauptstrasse 14, Otto Häussermann	23.11.2010	10 am – 6 pm
76227 Karlsruhe, Ottostrasse 2A, Spielpunkt	24.11.2010	10 am – 6 pm
76532 Baden Baden, Ooser Hauptstrasse 12, Märklin Shop Baden Baden	26.11.2010	10 am – 6 pm
77694 Kehl, Hauptstrasse 25, Engelhard + Herr	25.11.2010	10 am – 6 pm
78713 Schramberg, Schillerstrasse 55, Franz Storz	30.11.2010	10 am – 6 pm
87435 Kempten, Ellharterstrasse 6, Jahn & Heinrich	19.10.2010	10 am – 6 pm
88400 Biberach, Marktplatz 4, Gutermann	30.11.2010	10 am – 6 pm
89073 Ulm, Herdruckerstrasse 2 - 4, Gänsslen	02.12.2010	10 am – 6 pm
89518 Heidenheim, Clichystrasse 28, Scholz Modelleisenbahn	01.12.2010	10 am – 6 pm
96103 Hallstadt, Biegenhofstrasse 5, Die Modellbahnwelt	13.10.2010	10 am – 6 pm
97421 Schweinfurt, Rossmarkt 3, Schierling	14.10.2010	10 am – 6 pm
Ask your Märklin dealer about the break for lunch!		

Switzerland:

1204 Geneva, Bd Georges-Favon 11, Jouets Bollor (French-speaking)	04.11.2010	Ask your Märklin dealer for the times of the presentations!
4460 Gelterkinden, Ribistrasse 7, Hobby-Shop	09.11.2010	
6300 Zug, Industriestrasse 16, Kolibri Spielwaren	13.11.2010	
8021 Zürich, Bahnhofstrasse 62, Franz Carl Weber	10.11.2010	
8400 Winterthur, Unterer Graben, Barp-Tech	11.11.2010	
9213 Hauptwill, Weierwis 2, Modellbauland	12.11.2010	

Austria:

1010 Vienna, Schulerstrasse 1 - 3, Carl Hilpert KG	21.10.2010	10 am – 6 pm
3250 Wieselburg, Am Bahnhof 4, Mostviertler Modellbahnhof	20.10.2010	10 am – 6 pm
4400 Steyr, Sierningerstrasse 12, Simacek Modellbau	22.10.2010	10 am – 6 pm
4840 Vöcklabruck, Stadtplatz 4, Lothering GmbH & Co.KG	19.10.2010	10 am – 6 pm
5020 Salzburg, Auerspergstrasse 55, Oma's + Opa's Spielzeugladen	18.10.2010	from 6 pm
6020 Innsbruck, Rudolf-Greinz-Strasse 1, Herbert Rainer	20.10.2010	10 am – 6 pm
6322 Kirchbichl, Pfarrgasse 8, Modellbahnwerkstatt Nagel KG	21.10.2010	10 am – 6 pm
8020 Graz, Lazarettgasse 18, Kastner & Öhler	27.10.2010	10 am – 6 pm
8650 Kindberg, Hauptstrasse 26, Fuchs Spielwaren u. Modellbau	28.10.2010	10 am – 6 pm
Ask your Märklin dealer about the break for lunch!		

France:

69002 Lyon, 7 Rue de la Charité, Le petit train bleu	02.11.2010	Ask your Märklin dealer for the times of the presentations!
73220 Epierre, Rue de la Lauziere, Maurienne Trains	03.11.2010	

Märklin-Seminar program

There are still a few places available on some seminars in the Märklin seminar program for the second half of 2010. In the seminar, the subjects covered include decoder installation and locomotive assembly. In our seminars you will learn everything of interest on your subject matter. Only a limited number of places are on offer for each course as each participant receives intensive personal tuition.

All seminars are held in German!

Registration for all seminars:

Gebr. Märklin & Cie. GmbH, Stuttgarter Strasse 55–57, 73033 Göppingen, Germany
Telephone: +49 (0) 71 61/6 08-2 57 or -2 22, Fax: +49 (0) 71 61/6 08-1 43
training@maerklin.de or instantly online under www.maerklin.de
Our conditions of registration and participation are laid out below.
No separate seminar brochure is available.

Accommodation may be reserved as follows for all seminars based in Göppingen:

Hotel Restaurant Hohenstaufen
Freihofstraße 64–66
73033 Göppingen, Germany
Telephone: +49 (0) 71 61/6 70-0

H0: Loco assembly seminar (2 days)

Seminar content

- Refresher course on soldering with little practice pieces
- Systematic assembly of a class 38 from pack 26549
- Talk through the individual parts in logical sequence
- Systematic assembly of an SVT 04 diesel railcar 37774
- Talk through the individual parts in logical sequence
- Functional testing of the locomotives

Conditions:

Soldering ability is essential

Aim of the seminar:

- Assembling the individual parts of the respective locomotive in the correct order and getting to know the corresponding functionality

Dates

Date	No.	Seminar leader
Th./Fr., November 11/12, 2010	516 c	Rüdiger Haller

Miscellaneous:

- Pack 26549 and diesel railcar 37774 are covered by the seminar fees and belong to the seminar participants

Duration and cost of the training courses:

2 days: Each day 8.45 a.m.–approx. 4.30 p.m., 699 euro for Insider members, others 729 euro

Venue: Göppingen, Märklin Erlebniswelt, Reutlinger Str. 2, 73037 Göppingen, Germany

H0: Decoder-installation seminar (2 days)

Seminar content

Training is suitable for participants who want to upgrade analog and digital H0 locomotives to the latest state-of-the-art system technology with mfx decoders.

- Refresher course on soldering with little practice pieces
- All you need know about the latest generation of decoders
- Two Märklin locomotives will be retrofitted

Conditions:

- Soldering ability is essential
- The Märklin locomotives you bring with you must be in very good condition (other makes will not be entertained!).
- When registering for the seminar, it is essential to nominate the locomotives to be upgraded (please list several locomotives for selection, and bring these with you to the seminar).

Dates

Date	No.	Seminar leader
Th./Fr. November 25/26, 2010	517 a	Rüdiger Haller
Th./Fr., December 02/03, 2010	517 b	Rüdiger Haller
Th./Fr., December 09/10, 2010	517 c	Rüdiger Haller

Aim of the seminar:

- To learn how to modify the Märklin locomotives

Duration and cost of the training courses:

2 days: Daily 8.45 a.m.–approx. 4.30 p.m., 499.– euro for Insiders, others 529.– euro **Venue:** Göppingen, Märklin Erlebniswelt, Reutlinger Str. 2, 73037 Göppingen, Germany

H0: Loco assembly seminar (1 day)

Seminar content

- Refresher course on soldering with little practice pieces
- Talk through the individual parts in logical sequence
- Systematic assembly of a class 38 tender locomotive from pack 26549

Conditions:

- Soldering ability is essential

Aim of the seminar:

- Assembling the individual parts of the respective locomotive in the correct order and getting to know the corresponding functionality

Duration and cost of the training courses:

1 day: 8.45 a.m. –approx. 4.30 p.m., 699 euro for Insider members, others 729 euro

Venue: Unterentfelden, Switzerland, Märklin-Vertriebs AG, Mönchmattweg 3 5035 Unterentfelden, Switzerland **Booking information:** +41 (0) 62/7 23 51 21

Dates



Date	No.	Seminar leader
Th., December 16, 2010	611 a	Dieter Lorenz



New cooperation partners

As an Insider-Club member, you are entitled to reductions from cooperation partners. On this page we introduce new partners to you.



Miniatur Erlebnswelt

Miniatur Erlebnswelt
Langenzenner Straße 10, 90599 Dietenhofen, Germany
Tel.: 0 98 24/92 31 20, E-mail: info@miniatur-erlebnswelt.de
Homepage: www.miniatur-erlebnswelt.de

Days of opening:

Thursday and Friday 12 noon to 6 p.m., Saturday and Sunday 10 a.m. to 6 p.m.

Under the motto "Discover a world full of model railroad dreams" since it was opened in July 2009, the Miniatur Erlebnswelt (miniature world of experience), one of the largest N-gauge layouts in Germany, has been inviting railroad fans large and small to a fascinating journey through the world of the model railroad. Apart from the N-gauge layout, which consists of seven main lines and will reach a size of about 55 m² (66 yr²) when it is finished, visitors can look forward to a varying exhibition of dioramas and an H0 layout. The facilities offered are rounded off by a café-bar and their own children's play-room where after so much amazement and discovery, the little railroad enthusiasts can give free rein to their own imagination in playing, painting or making, or even being an engineer. In addition, the Miniatur Erlebnswelt's own model building service, also operated by Mr Vasold, a model railroad construction expert with decades of experience, offers professional assistance to both private individuals and companies. Mr Vasold and his team offer comprehensive services covering the subjects of layout planning, construction and management and take on manufacturer-independent repairs and digital conversions of the fleet. Entrance charges: adults 6 euro, children up to 14 years 4 euro (under 1 meter free entrance), family (1 kid): 14 euro; family (2 kids) 16 euro. Thursday: family reduced 12 euro/14 euro respectively.



Photo: Miniatur Erlebnswelt

» **Your Club benefit:** On presentation of their Club card, Insiders receive a discount of 1 euro on the regular entrance charge.



Miniwelt Oberstaufen

Miniwelt Oberstaufen
Wengen 15, 87534 Oberstaufen, Germany
Tel.: 0 83 86/96 07 11, E-mail: info@miniwelt-oberstaufen.de
Homepage: www.miniwelt-oberstaufen.de

Times of opening:

From the beginning of April to the end of the first week in November and from December 26 until the end of the Christmas holidays, open daily from 10 am to 6 p.m. Last admission: 5.30 p.m. Monday: closed (except on bank holidays and in school holidays). At other times, please enquire by telephone.

The H0 layout of the Miniwelt in Oberstaufen extends over an impressive 300 m² (359 yr²). It took seven months to build, and was opened in 1999. Those mainly responsible for the diorama are master carpenter Manfred Münster and electrical engineer Heribert Stadtfeld, who is also CEO of the Miniwelt. In developing the layout, prototype attention was paid primarily to the railroad section between Coblenz and Bingen. The beauty of this section even turned UNESCO's head, and it was included in the World Cultural Heritage list from June 27, 2002. To copy this impressive piece of railroad required some effort. This included laying 2,400 meters (1.5 miles) of track, which include altogether 400 turnouts. There are 172 train formations on the layout and 2,430 cars. But its not only the technical part which was given its due respect, the scenery was also painstakingly designed. Thus there are 26,000 trees on the layout, along with 5,000 figures and 600 buildings. The total weight of plaster used to reinforce this jewel was three tonnes. To make sure that visitors have enough space alongside the 300 m² (359 yr²)-layout, a hall was found which measures 800 m² (957 yr²).



» **Your Club benefit:** On presentation of their Club card, Insiders receive a discount of 50 cents on the regular entrance charge.



An el Dorado for Porsche fans: in the Porsche Museum there are classics to be seen from the company's history.

A visit to the Porsche Museum is double value

A museum full of horse-power

The Porsche Museum in Stuttgart, at the head office of the traditional manufacturer of sports automobiles, presents the fascination and variety of the Porsche brand. Additional highlight: a set of four RAK autos.

With its spectacular architecture, the Porsche Museum is an absolute sensation: the dynamically shaped, monolithic exhibition hall is supported by just three concrete pillars. Inside, more than 80 exhibits, including Porsche classics like the 356, 917 or 911 from the beginnings to the present day of the Porsche history will carry away the visitors. As a "rolling museum", the vehicles which still find their place all over the world in historic races are maintained by Porsche mechanics in the museum's own glazed workshops. For younger guests, there are special children's tours and also a "Museum rally" through the exhibition. From October 12, 2010 until January 9, 2011 the museum is marking the jubilee "60 Years of Porsche



In the museum shop there is a set of four RAK autos.

in America" with a special exhibition. Another special feature: a set of four high-quality RAK autos from the 1960s have been re-released in cooperation with Märklin. Only 999 of these sets will be made; the set consists of the model 911 Targa, 914 and the race-car prototypes 907 long-back and the 910. The set has been on sale in the Porsche Museum shop since August 1 at a price of 120 euro. It costs nothing to visit the shop; it is not dependent on visiting the museum, although that is worth while: on presenting your Club card, it only costs 6 instead of 10 euro, and you have an audio guide free of charge as well. **Times of opening:** Tu. to Sun. and Public Holidays 9 a.m. to 6 p.m. **Contact:** Tel. +49 (0) 7 11/ 9 11-2 09 11. www.porsche.com/museum

Architecturally visionary: the Porsche Museum.



Fun for children: the museum rally.



Visitors can watch Porsche repairs carried out live.





In focus – delicate work on the TGV POS

Finest brushwork on the French showpiece train TGV POS – with Märklin TV Club members gain a direct insight into current production. One of the highlights is the production of the streamlined TGV, both of whose end cars are motorized, and it is a crowd-puller on any layout. Cameraman Mark Miller and Ilona Eckert of Märklin TV report on the delicate work

done to guarantee high-quality optics: the strictly prototypical shape of the TGV model makes machine printing out of the question with its intricate designs, so for the details, the Märklin production staff have to take up the brush. The latest edition of the Internet TV channel is to be seen as usual in the Club area of the Märklin homepage (www.maerklin.de).