Pricelist No. 1/2019
(Validity from 1st of February 2019)

<table>
<thead>
<tr>
<th>Order code</th>
<th>Description</th>
<th>Price per item in € incl. German VAT.</th>
</tr>
</thead>
</table>

### 4-fold turnout decoder from the Digital-Professional-Series:

- **For Märklin-Motorola (Märklin-Digital= [Control Unit, Central Station 1 and 2], Intellibox, Commander, EasyControl, ECoS 1 and 2, KeyCom-MM, DiCoStation):**

  4-fold turnout decoder with a self-learning decoder address.
  With an external power supply possibility.

  - S-DEC-4-MM-B as kit: Part-No.: 91 03 11 € 22,90
  - S-DEC-4-MM-F as finished module: Part-No.: 91 03 12 € 31,50
  - S-DEC-4-MM-G as finished module in a case: Part-No.: 91 03 13 € 34,90

- **For DCC Systems (Lenz Digital Plus, Arnold-, Märklin-Digital= and Central Station 1 and 2 [60214/60215], Intellibox, TWIN-CENTER, Roco Digital, Commander, EasyControl, ECoS 1 and 2, KeyCom-DC, Digitrax, DiCoStation etc.):**

  4-fold turnout decoder with a self-learning decoder address.
  With an external power supply possibility.

  - S-DEC-4-DC-B as kit: Part-No.: 91 02 11 € 22,90
  - S-DEC-4-DC-F as finished module: Part-No.: 91 02 12 € 31,50
  - S-DEC-4-DC-G as finished module in a case: Part-No.: 91 02 13 € 34,90

- **For DCC-Systems (LGB-, KATO-, and TOMIX-Drives):**

  4-fold turnout decoder for LGB-Drive EPL 12010 as well as RATO- and TOMIX-Drives with a self-learning decoder address.

  - 1-DEC-DC-B as kit: Part-No.: 11 04 11 € 38,90
  - 1-DEC-DC-F as finished module: Part-No.: 11 04 12 € 52,90
  - 1-DEC-DC-G as finished module in a case: Part-No.: 11 04 13 € 56,30

- **Accessories for turnout- and turntable decoders from the Digital-Professional-Series:**

  Permanent-Power-Switch-Unit with bistable relay for switching lights etc. up to 4 Amp. Can be connected to any output of the turnout decoder S-DEC-4. The DSU together with the turnout decoder TT-DEC provides the correct polarity of the 2-conductor bridge track.

  - DSU as finished module: Part-No.: 70 00 12 € 11,90

### 4-fold switch decoder from the Digital-Professional-Series:

- **For Märklin-Motorola:**

  4-fold switch decoder with 4 bistable relays with 4 Amp. switching power each. With self learning decoder address and external power supply possibility.

  - SA-DEC-4-MM-B as kit: Part-No.: 21 03 11 € 38,50
  - SA-DEC-4-MM-F as finished module: Part-No.: 21 03 12 € 46,90
  - SA-DEC-4-MM-G as finished module in a case: Part-No.: 21 03 13 € 50,50

- **For DCC Systems:**

  4-fold switch decoder with 4 bistable relays with 4 Amp. switching power each. With self learning decoder address and external power supply possibility.

  - SA-DEC-4-DC-B as kit: Part-No.: 21 02 11 € 38,50
  - SA-DEC-4-DC-F as finished module: Part-No.: 21 02 12 € 46,90
  - SA-DEC-4-DC-G as finished module in a case: Part-No.: 21 02 13 € 50,50

### 4-fold turnout decoder for motor driven turnouts from the Digital-Professional-Series:

- **For Märklin-Motorola:**

  4-fold decoder for motor driven turnouts with self-learning decoder address and external power supply possibility.

  - M-DEC-MM-B as kit: Part-No.: 41 05 11 € 38,90
  - M-DEC-MM-F as finished module: Part-No.: 41 05 12 € 52,90
  - M-DEC-MM-G as finished module in a case: Part-No.: 41 05 13 € 56,30

- **For DCC Systems:**

  4-fold decoder for motor driven turnouts with self-learning decoder address and external power supply possibility.

  - M-DEC-DC-B as kit: Part-No.: 41 04 11 € 38,90
  - M-DEC-DC-F as finished module: Part-No.: 41 04 12 € 52,90
  - M-DEC-DC-G as finished module in a case: Part-No.: 41 04 13 € 56,30

### 4-fold light signal decoder from the Digital-Professional-Series:

- **For Märklin-Motorola-Format and DCC-Systems:**

  Light signal decoder with a self-learning decoder address and external power supply possibility for:

  - 4-fold light signal decoder for 4 LED equipped DB and SBB signals with up to 4 lamps.

    - LS-DEC-DB-B as kit: Part-No.: 51 20 11 € 42,90
    - LS-DEC-DB-F as finished module: Part-No.: 51 20 12 € 53,50
    - LS-DEC-DB-G as finished module in a case: Part-No.: 51 20 13 € 56,90
4-fold light signal decoder for 4 LED equipped DR signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 60 11</td>
<td>LS-DEC-DR-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 60 12</td>
<td>LS-DEC-DR-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 60 13</td>
<td>LS-DEC-DR-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for 2 LED equipped Ks signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 90 11</td>
<td>LS-DEC-KS-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 90 12</td>
<td>LS-DEC-KS-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 90 13</td>
<td>LS-DEC-KS-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for 4 LED equipped OEBB signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 10 11</td>
<td>LS-DEC-OEBB-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 10 12</td>
<td>LS-DEC-OEBB-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 10 13</td>
<td>LS-DEC-OEBB-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for 2 LED equipped SBB signals with 5 or 7 lamps.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 30 11</td>
<td>LS-DEC-SBB-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 30 12</td>
<td>LS-DEC-SBB-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 30 13</td>
<td>LS-DEC-SBB-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for 4 LED equipped NS signals with 2 or 3 lamps plus illuminated numeric sign.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 50 11</td>
<td>LS-DEC-NS-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 50 12</td>
<td>LS-DEC-NS-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 50 13</td>
<td>LS-DEC-NS-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for 4 LED equipped NMBS signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 80 11</td>
<td>LS-DEC-NMBS-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 80 12</td>
<td>LS-DEC-NMBS-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 80 13</td>
<td>LS-DEC-NMBS-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for up to 4 LED equipped BR signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 01 11</td>
<td>LS-DEC-BR-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 01 12</td>
<td>LS-DEC-BR-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 01 13</td>
<td>LS-DEC-BR-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for up to 4 LED equipped FS signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 02 11</td>
<td>LS-DEC-FS-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 02 12</td>
<td>LS-DEC-FS-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 02 13</td>
<td>LS-DEC-FS-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for up to 4 LED-equipped SJ signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 03 11</td>
<td>LS-DEC-SJ-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 03 12</td>
<td>LS-DEC-SJ-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 03 13</td>
<td>LS-DEC-SJ-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

4-fold light signal decoder for up to 4 LED-equipped SNCF signals.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 04 11</td>
<td>LS-DEC-SNCF-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 04 12</td>
<td>LS-DEC-SNCF-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 04 13</td>
<td>LS-DEC-SNCF-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

Adapter for light signal decoder:

- **Adapter for light signal decoder** as extension for the light signal decoder LS-DEC. For light signals with incandescent lamps, light signals with light emitting diodes and incandescent lamps (e.g. OEBB-light signals of manufacturer alphamodell) or for light signals with light emitting diodes (common anodes) which need a constant voltage such as light signals with light bar from manufacturer Erbert.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 04 11</td>
<td>LS-DEC-SNCF-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 04 12</td>
<td>LS-DEC-SNCF-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 04 13</td>
<td>LS-DEC-SNCF-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

Train influence module for light signal decoder:

- **4-fold train influence module** for 4 stop sections. Cuts off the driving power supply if signal is on red.

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 04 11</td>
<td>LS-DEC-SNCF-B as kit</td>
<td>€ 42,90</td>
</tr>
<tr>
<td>51 04 12</td>
<td>LS-DEC-SNCF-F as module</td>
<td>€ 53,50</td>
</tr>
<tr>
<td>51 04 13</td>
<td>LS-DEC-SNCF-G in a case</td>
<td>€ 56,90</td>
</tr>
</tbody>
</table>

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**Contact Information:**
- **Littfinski DatenTechnik (LDT)**
  - Address: Ulmenstr. 43, D-15370 Fredersdorf / Germany
  - Phone: 0049 33439 / 867-0
  - Internet / e-mail: https://www.ldt-infocenter.com
  - littfinski@buehler-electronic.de
Decoder for Switchboard Lights (GBS-DEC) from the Digital-Professional-Series:

- **Master-Module** for the decoder for switchboard lights GBS-DEC for the Märklin-Motorola-Format.
  - GBS-Master-MM-F as **finished module**: Part-No.: 05 03 22 € 75,90
- **Master-Module** for the decoder for switchboard lights GBS-DEC for the DCC-Format.
  - GBS-Master-DC-F as **finished module**: Part-No.: 05 02 22 € 75,90
- **Master-Module** for the decoder for switchboard lights GBS-DEC for the s88-Mode.
  - GBS-Master-s88-F as **finished module**: Part-No.: 05 01 22 € 75,90

- **Display-Module** for the decoder for switchboard lights GBS-DEC.
  - GBS-Display-B as **kit**: Part-No.: 05 00 31 € 59,90
  - GBS-Display-F as **finished module**: Part-No.: 05 00 32 € 79,90

- **Service-Module** for the decoder for switchboard lights GBS-DEC.
  - GBS-Service-B as **kit**: Part-No.: 05 00 41 € 26,90
  - GBS-Service-F as **finished module**: Part-No.: 05 00 42 € 39,90

- **Decoder start-sets for Switchboard Lights**:
  - Start set (Märklin-Motorola) for the switchboard light decoder GBS-DEC. Consisting of: 1 piece Master-Module (GBS-Master-MM), 1 piece Display-Module (GBS-Display) and 1 piece Service-Module (GBS-Service).
    - GBS-Startset-MM-F as **finished module**: Part-No.: 05 03 52 € 184,90
  - Start set (DCC) for the switchboard light decoder GBS-DEC. Consisting of: 1 piece Master-Module (GBS-Master-DC), 1 piece Display-Module (GBS-Display) and 1 piece Service-Module (GBS-Service).
    - GBS-Startset-DC-F as **finished module**: Part-No.: 05 02 52 € 184,90
  - Start set (s88-Mode) for the switchboard light decoder GBS-DEC. Consisting of: 1 piece Master-Module (GBS-Master-s88), 1 piece Display-Module (GBS-Display) and 1 piece Service-Module (GBS-Service).
    - GBS-Startset-s88-F as **finished module**: Part-No.: 05 01 52 € 184,90

- **s88-ClockMaster from the Digital-Professional-Series**:
  - Supplement for the Switchboard Light Decoder GBS-DEC-s88:
    - To be used as timing generator for the s88-feedback bus to operate the switch board light decoder GBS-DEC-s88 without the connection to a digital control unit or to a PC with model railway software.
    - s88-ClockMaster-B as kit: Part-No.: 09 00 21 € 42,90
    - s88-ClockMaster-G as finished module in a case: Part-No.: 09 00 23 € 59,90

- **Turntable-Decoder from the Digital-Professional-Series**:
  - For Märklin-Motorola Format and DCC-Systems:
    - The Turntable-Decoder TT-DEC is suitable for the digital control of Fleischmann-Turntables 6052, 6152, 6154, 6651, 9152, 6680 (with and without "C"), 6652 (with 3-rail conductor), the Roco Turntable 35900 and the Märklin-Turntable 7286.
      - TT-DEC-B as kit: Part-No.: 01 05 01 € 79,90
      - TT-DEC-G as finished module in a case: Part-No.: 01 05 03 € 119,90
  - The Turntable-Decoder TT-DEC-R is suitable for the digital control of the Roco HO Turntable 42615.
      - TT-DEC-R-B as kit: Part-No.: 01 05 11 € 82,90
      - TT-DEC-R-G as finished module in a case: Part-No.: 01 05 13 € 124,90
WatchDog decoder from the **Digital-Professional-Series**:

- For Märklin-Motorola Format and DCC-Systems:
  The WatchDog Decoder **WD-DEC** is a watchdog for your PC-supported digital model-railroad layout. The WD-DEC will stop immediately all trains during a PC or central control unit software crash.

  Including a 100cm booster cable for the 5-poles booster bus.

  **WD-DEC-B**
  - as kit: Part-No.: 01 00 11 € 50.50
  - as finished module in a case: Part-No.: 01 00 13 € 68.90

**Feedback module for the s88-feedback bus from the Digital-Professional-Series**:

- **16-fold feedback module** with 16 inputs (as Märklin s88 switching against ground) for s88-standard connections and 🍀.
  - **RM-88-N-B**
    - as kit: Part-No.: 31 01 11 € 27.90
  - **RM-88-N-F**
    - as finished module: Part-No.: 31 01 12 € 37.90
  - **RM-88-N-G**
    - as finished module in a case: Part-No.: 31 01 13 € 41.50

- **16-fold feedback module** with 16 galvanic separated opto-coupler inputs for high interference protection and potential separation.
  - For s88-standard connections and 🍀.
    - **RM-88-N-O-B**
      - as kit: Part-No.: 31 01 01 € 39.90
    - **RM-88-N-O-F**
      - as finished module: Part-No.: 31 01 02 € 49.90
    - **RM-88-N-O-G**
      - as finished module in a case: Part-No.: 31 01 03 € 53.30

**Feedback module with integrated detection of occupied tracks for the s88-feedback bus from the Digital-Professional-Series**:

- **8-fold feedback module** with integrated occupancy detectors for a current load up to 3 Ampere (peak current 7 Ampere) for s88-standard connections and 🌈.
  - **RM-GB-8-N-B**
    - as kit: Part-No.: 32 01 01 € 41.90
  - **RM-GB-8-N-F**
    - as finished module: Part-No.: 32 01 02 € 54.90
  - **RM-GB-8-N-G**
    - as finished module in a case: Part-No.: 32 01 03 € 59.50

**Data switch for the s88-feedback bus from the Digital-Professional-Series**:

With the **Data switch DSW-88** the S88-feedback bus can be branched into two lines at any place on the model railway. Several DSW-88 can be used to build one ore more feedback lines. For S88-standard connections and 🌈.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSW-88-N-B</td>
<td>04 01 11</td>
<td>€ 32.50</td>
</tr>
<tr>
<td>DSW-88-N-G</td>
<td>04 01 13</td>
<td>€ 49.90</td>
</tr>
</tbody>
</table>

**To assure a good connection:** **s88-bus cable**:

- Connection cable for s88-standard connection with two original s88-plugs, cable color gray, twisted, round. Plus 1 pin-plug for bus extension.
  - **Kabel s88 0.5m**
    - length 0.5m Part-No.: 00 01 02 € 12.50
  - **Kabel s88 1m**
    - length 1m Part-No.: 00 01 06 € 14.50
  - **Kabel s88 2m**
    - length 2m Part-No.: 00 01 01 € 16.50

**Connection cable** for s88-standard connections according to 🌈 with 2 RJ-45 plugs, cable color blue, and interference protected.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kabel Patch 0.5m</td>
<td>00 01 30</td>
<td>€ 2.90</td>
</tr>
<tr>
<td>Kabel Patch 1m</td>
<td>00 01 31</td>
<td>€ 3.90</td>
</tr>
<tr>
<td>Kabel Patch 2m</td>
<td>00 01 32</td>
<td>€ 5.40</td>
</tr>
<tr>
<td>Kabel Patch 3m</td>
<td>00 01 33</td>
<td>€ 8.60</td>
</tr>
</tbody>
</table>

**High-speed-interface for the s88-feedback bus from the Digital-Professional-Series**:

**High-Speed-Computer-Interface** for fast transfer of feedback reports from s88-modules to the PC via the COM-Interface (Part-No. 03 03 0x) or the USB-Interface (Part-No. 03 09 13). Up to three s88-feedback bus lines can be build. Connection cable to the PC is included.

**HSI-88-G**
- as finished module in a case: Part-No.: 03 03 13 € 94.50
- as finished module in a case: Part-No.: 03 09 13 € 129.90

**Adapter for the Interfaces HSI-88, HSI-88-USB and DiCoStation for s88-Bus Connections according to 🌈 from the Digital-Professional-Series**:

- **Adap-HSI-s88-N-F**
  - as finished module: Part-No.: 03 8 1 12 € 19.90

**Feedback module for the RS-feedback bus (Lenz Digital plus) from the Digital-Professional-Series**:

**16-fold feedback module** with opto isolated inputs for high safety against interference and for potential separation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-16-O-B</td>
<td>31 02 01</td>
<td>€ 44.90</td>
</tr>
<tr>
<td>RS-16-O-F</td>
<td>31 02 02</td>
<td>€ 59.50</td>
</tr>
<tr>
<td>RS-16-O-G</td>
<td>31 02 03</td>
<td>€ 62.90</td>
</tr>
</tbody>
</table>
Feedback module with integrated detection of occupied tracks for the RS-feedback bus from the Digital-Professional-Series:

8-fold feedback module with integrated occupancy detectors for a current load up to 3 Ampere (peak current 7 Ampere) for the RS-feedback bus of the Digital-plus System from Lenz.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-8-B</td>
<td>30 02 11</td>
<td>€ 51.50</td>
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<td>RS-8-F</td>
<td>30 02 12</td>
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<tr>
<td>RS-8-G</td>
<td>30 02 13</td>
<td>€ 70.50</td>
</tr>
</tbody>
</table>

8-fold track occupancy detector for the Roco feedback module 10787 from the Digital-Professional-Series:

8-fold track occupancy detector GBM-8 e.g. for extension of the Roco-feedback module 10787 to receive a comfortable and low price track occupancy report.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBM-8-B</td>
<td>02 00 01</td>
<td>€ 29.90</td>
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<tr>
<td>GBM-8-F</td>
<td>02 00 02</td>
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</tr>
<tr>
<td>GBM-8-G</td>
<td>02 00 03</td>
<td>€ 47.90</td>
</tr>
</tbody>
</table>

Power Amplifier (DigitalBooster) from the Digital-Professional-Series:

Short circuit protected DigitalBooster (2.5 Ampere). Comfortable to be connected to the command stations Control Unit (Märklin-Digital/-Märklin-Motorola Format), Intellibox (Märklin-Motorola and DCC-Format), TWIN-CENTER (DCC-Format), the PC-direct control DIGITAL-INSIDE, KeyCom, EasyControl, EcoS and DCCStation. Each order of a Power Amplifier DB-2 includes one 5-poles booster bus-cable (1m length).

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB-2-B</td>
<td>08 00 61</td>
<td>€ 49.90</td>
</tr>
<tr>
<td>DB-2-G</td>
<td>08 00 63</td>
<td>€ 75.90</td>
</tr>
</tbody>
</table>

Power Supply for the DigitalBooster DB-4:

The DigitalBooster DB-4 does not get the power supply from a common model railway transformer but from the DB-4 PowerSupply on which the stabilized digital track voltage of 15, 16, 18, 19, 20, 22 and 24 Volt can be adjusted in accordance to the track gauge.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB-4-B</td>
<td>08 00 71</td>
<td>€ 84.90</td>
</tr>
<tr>
<td>DB-4-G</td>
<td>08 00 73</td>
<td>€ 129.90</td>
</tr>
</tbody>
</table>

Booster adapter for the DigitalBooster DB-2:

The booster adapter Adap-CDE enables to connect up to 10 low cost DigitalBooster DB-2 as well to a command station which supports the 3 poles DCC booster bus (clamp indication CDE) instead the 5 poles booster bus.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adap-CDE-B</td>
<td>08 82 61</td>
<td>€ 19.90</td>
</tr>
<tr>
<td>Adap-CDE-G</td>
<td>08 82 63</td>
<td>€ 32.90</td>
</tr>
</tbody>
</table>

The booster adapter Adap-Roco enables to connect up to 10 low cost DigitalBooster DB-2 as well to a Roco-command station 10761/10764 or onto Fleischmann 680801 and multizENTRALpro.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adap-Roco-B</td>
<td>08 82 63</td>
<td>€ 32.90</td>
</tr>
</tbody>
</table>

- To assure a good connection: booster-bus cable from the Digital-Professional-Series:

5-poles booster bus-cable with twisted wires and interference protected for the connection of command stations (e.g. Control Unit, Central Station 2, Intellibox, TWIN-CENTER) with boosters (e.g. 6015 / 6017, Power 3, TWIN-BOOSTER, DB-2, DB-4) and for connecting boosters to each other.

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kabel Booster 1m</td>
<td>100cm</td>
<td>€ 12.50</td>
</tr>
</tbody>
</table>

Roco booster bus-cable for the connection of the DigitalBooster DB-4 with Roco 10761/10764 and Fleischmann 680801, multizENTRALpro, z21 and Z21.

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kabel Roco 1m</td>
<td>100cm</td>
<td>€ 12.50</td>
</tr>
</tbody>
</table>

Booster Separation Module from the Digital-Professional-Series:

Provides a secure electrical separation of booster current circuits. Suitable for all digital formats, all command stations and boosters.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTM-SG-B</td>
<td>78 05 01</td>
<td>€ 38.90</td>
</tr>
<tr>
<td>BTM-SG-F</td>
<td>78 05 02</td>
<td>€ 52.50</td>
</tr>
<tr>
<td>BTM-SG-G</td>
<td>78 05 03</td>
<td>€ 55.90</td>
</tr>
</tbody>
</table>

SupplyBox from the Digital-Professional-Series:

Practical unit for the direct current supply of the layout from switched mode mains power supply. With two sockets for the Märklin Switched Mode Power Supply 60061 and two sockets for 5.5x2.1 round plugs e.g. from DB-4 PowerSupply.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part-No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB-4-B</td>
<td>60 06 01</td>
<td>€ 22.90</td>
</tr>
<tr>
<td>SB-4-F</td>
<td>60 06 02</td>
<td>€ 30.50</td>
</tr>
<tr>
<td>SB-4-G</td>
<td>60 06 03</td>
<td>€ 33.90</td>
</tr>
</tbody>
</table>
DiCoStation (DirectCommandStation) from the Digital-Professional-Series:
for the USB-interface with the digital format DCC and Märklin-Motorola plus three s88-feedback lines.
The DiCoStation can be used together with any Model-Railway-Software, which is supporting the Data-protocol (P50) of the Märklin-Interface 6051 or even better the extended Data-protocol (P50X) of the Intellibox. It is the software DIGITAL-S-INSIDE 2 (DSI 2) required which will be supplied as demo-software together with the DiCoStation for the first installation. For the permanent operation is for the software DSI 2 an activation code required. This activation code is available for € 70,00 by the company modellplan under www.modellplan.de.

DiCoStation-G as finished module in a case with software DSI 2 (Demo mode):
Part-No.: 00 99 03 € 129,90

KeyCommander from the Digital-Professional-Series:
The KeyCommander makes a digital switching by push button of turnouts and signals on analog layouts possible. Advantage: considerable less wiring required and a better circuit identification.

KeyCommander for Märklin-Motorola.

KeyCom-MM-B as kit:
Part-No.: 09 03 01 € 42,90
KeyCom-MM-G as finished module in a case:
Part-No.: 09 03 03 € 59,90

KeyCommander for DCC.

KeyCom-DC-B as kit:
Part-No.: 09 02 01 € 42,90
KeyCom-DC-G as finished module in a case:
Part-No.: 09 02 03 € 59,90

• KeyCommander start sets:
Start set (Märklin-Motorola) for the KeyCommander KeyCom.
Consisting of: 1 piece KeyCommander (KeyCom-MM) and 1 piece Service-Module (GBS-Service).

KeyCom-Startset MM-B as kit:
Part-No.: 09 03 51 € 64,90
KeyCom-Startset MM-G as finished module in a case:
Part-No.: 09 03 53 € 92,90

Start set (DCC) for the KeyCommander KeyCom.
Consisting of: 1 piece KeyCommander (KeyCom-DC) and 1 piece Service-Module (GBS-Service).

KeyCom-Startset DC-B as kit:
Part-No.: 09 02 51 € 64,90
KeyCom-Startset DC-G as finished module in a case:
Part-No.: 09 02 53 € 92,90

Reverse-Loop Module from the Digital-Professional-Series:
The short circuit protected polarity reversal of the reverse loop will be performed by sensor tracks. Suitable for digital operation (all formats).

KSM-SG-B as kit:
Part-No.: 70 05 01 € 41,50
KSM-SG-F as finished module:
Part-No.: 70 05 02 € 54,90
KSM-SG-G as finished module in a case:
Part-No.: 70 05 03 € 58,50

Interface for the PC-Layout- and Ambient-Room-Light-Control Light@Night:

Light-Interface for the parallel-interface (LPT) of a computer with Windows operating system (32 Bit). For up to 7 Light-Displays-and/or Light-Power-Modules (168 up to 280 light-outputs) incl. connection cable and demonstration software 1.0. (complete version 3 available under www.railware.com).

LI-LPT-B as kit:
Part-No.: 05 06 01 € 34,90
LI-LPT-F as finished module:
Part-No.: 05 06 02 € 49,90

Light-Interface for the network-interface (LAN) of a computer with Windows operating system (32 and 64 Bit). For up to 7 Light-Displays-and/or Light-Power-Modules (168 up to 280 light-outputs) incl. connection cable and demonstration software 3.0. (complete version 4 available under www.railware.com).

LI-LAN-F as finished module:
Part-No.: 05 07 02 € 94,90

Basic-Module for the universal Layout-Light-Control Light-DEC:

Light-DEC-Basic-Module for the light control Light-DEC.
For up to 7 Light-Displays- and/or Light-Power-Modules (max. 160 light outputs).

Light-DEC-Basis-B as kit:
Part-No.: 81 02 21 € 75,90
Light-DEC-Basis-F as finished module:
Part-No.: 81 02 22 € 109,90

Light-Module for Light@Night and Light-DEC:

Light-Display-Module with 40 light outputs with 0,5A each for the Light-Interfaces LI-LPT and LI-LAN and the Light-DEC-Basic-Module.

Light-Display-B as kit:
Part-No.: 05 00 31 € 59,90
Light-Display-F as finished module:
Part-No.: 05 00 32 € 79,90

Light-Power-Module with 24 light outputs with 2,5A each for the Light-Interfaces LI-LPT and LI-LAN and the Light-DEC-Basic-Module.

Light-Power-B as kit:
Part-No.: 05 00 61 € 64,90
Light-Power-F as finished module:
Part-No.: 05 00 62 € 84,90
• **Accessories for Light@Night and Light-DEC:**

Connection cable (standard) for all Light-Display- and Light-Power-Modules. Round gray twisted cable, with double pin-bar for further extension.

- **Kabel L@N**:
  - 0.5m: length 0.5m (Part No.: 00 01 02) € 12.50
  - 1m: length 1m (Part No.: 00 01 06) € 14.50
  - 2m: length 2m (Part No.: 00 01 01) € 16.50


- **Kabel Patch**:
  - 0.5m: length 0.5m (Part No.: 00 01 30) € 2.90
  - 1m: length 1m (Part No.: 00 01 31) € 3.90
  - 2m: length 2m (Part No.: 00 01 32) € 5.40
  - 3m: length 3m (Part No.: 00 01 33) € 6.80

• **Assembly accessories for components from the Digital-Professional-Series:**

- **MON-SET Assembly kit** for fitting Digital-Professional components below the layout. Consisting of four spacers 5mm long and four wood-screws of 13mm length. (Part No.: 00 01 03) € 0.90


- **LDT-02 Case** for LDT-components. Suitable for: DB-4, RM-GB-8-N and RS-8 from version 3.2. (Part No.: 00 01 34) € 5.80

- **G-1-DEC Splash-water protected case** for turnout decoder 1-DEC-DC up to version 1.3. (Part No.: 00 01 21) € 15.90

- **G-2-DEC Splash-water protected case** for turnout decoder 1-DEC-DC from version 2. (Part No.: 00 02 00) € 12.90

• **Electronic articles for the model railroader:**

Reed 1 Reed-Contact 0.5A/200VDC/10mm long/22mm (10 pieces) € 6.90

Reed 2 Reed-Contact 0.5A/200VDC/14mm long/22.2mm (10 pieces) € 7.90

- **STN 1 Plug power-supply** 12VDC / 200mA € 3.48

1N4148 Universal silicon Diode 100V / 0.1A (10 pieces) € 0.60

1N4003 Universal silicon Diode 200V / 1.0A (10 pieces) € 0.90

ZP5Y51 Zener-Diode 5.1V/1.3W wired (10 pieces) € 1.99

ZP9Y91 Zener-Diode 9.1V/1.5W wired (2 pieces) € 0.40

BY251 Power-Diode 3A nominal-/7A peak current wired (10 pieces) € 0.50

KerKo 1nF Ceramic-Interference capacitor 1nF wired (10 pieces) € 1.07

Res4R7 Wire resistor 4.7Ohm/1.0W wired (10 pieces) € 1.95

Res1K5 Metal film resistor 1.5KOhm/0.6W wired (10 pieces) € 0.35

FP Ferrite pearls Zr3.5x1.3x5 (100 pieces) € 9.50

**Components for the transponder technology:**

- **Transponder-Reader for EM-4102 (125 kHz) compatible transponder (RFID-Tag):**
  - COL-10-B as a kit: (Part No.: 07 00 51) € 69.90
  - COL-10-G as a finished module in a case: (Part No.: 07 00 53) € 88.90

- **Plug-In power supply 13.6V / 1A for the supply of max. 10 Transponder-Reader COL-10:**
  - SNG-10 as a finished module in a case: (Part No.: 06 00 23) € 94.50

**Interfaces:**

- **INTER-10** The interface feeds the transponder-information via the serial RS232 interface directly into the PC. It is possible to connect up to 99 reading devices COL-10 to the INTER-10. (Part No.: 06 08 23) € 144.90

- **TD-88** The interface feeds the transponder-information into the s88-feedback-bus. The data can than be transmitted to the PC by the RS232 or the USB interface via the High Speed Interface HSI-88 or the HSI-88-USB. It is possible to connect up to 31 COL-10 reading devices to the TD-88. (Part No.: 06 00 21) € 69.90

**Transponder (125 kHz) suitable for the reader COL-10:**

- **TRANS-1 cylindrical glass-tube-transponder (3.1 x 13.3 mm):**
  - 10 pieces (Part No.: 00 01 21) € 37.50

- **TRANS-2 1 mm flat-disc-transponder with a diameter of 20 mm:**
  - 10 pieces (Part No.: 00 01 25) € 40.00

**Be a Digital-Professional:**

- **The digital book for beginner and advanced model-railroader** (Author: Henning Kriebel)
  - Book with 164 Pages/A5 (in German language only!) (Part No.: 10 20 80) € 19.90

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