

Booster Adapter Adap-CDE-G

from the *Digital-Professional-Series!*

Adap-CDE-G Part-No.: 088263

>> finished module in a case <<

If you intend to use our **low-cost DigitalBooster DB-2** on a digital central unit with **3-poles DCC-Boosterbus (clamp identification CDE)** instead on a 5 poles buster bus you can realize it by using the booster adapter **Adap-CDE**.

With each Adapter **Adap-CDE** is it possible to connect **up to 10 DigitalBooster DB-2**.

This product is not a toy! Not suitable for children under 14 years of age! The kit contains small parts, which should be kept away from children under 3! Improper use will imply danger or injuring due to sharp edges and tips! Please store this instruction carefully.



Introduction/Safety Instruction:

You have purchased the **Booster Adapter Adap-CDE** that is supplied within the assortment of **Littfinski DatenTechnik (LDT)**.

We wish you having a good time using this product.

- Please read the following instructions carefully. Warranty will expire due to damages caused by disregarding the operating instructions. **LDT** will also be not liable for any consequential damages caused by improper use or installation.

The finished modules in a case comes with **24 month warranty**.

Connecting the adapter to the Digital-Central-Unit:

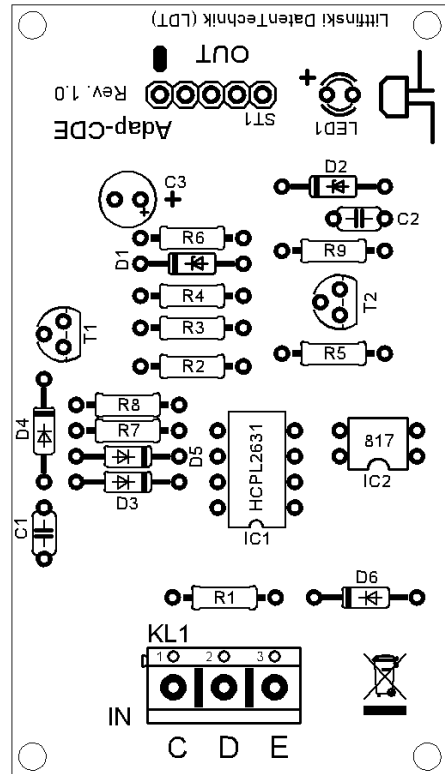
- **Attention:** Please switch off your digital control unit and unplug all transformers from AC-current before starting to assemble the unit.

Connect the **clamp KL1 (CDE)** of the booster adapter **Adap-CDE** to the **clamp CDE** of your digital central unit (e.g. **Lenz Digital plus LZ100 / LZV100** or **PIKO Digi-Power-Box**).

Up to ten **DigitalBooster DB-2** can be connected to each **Booster-Adapter Adap-CDE**. If you need more digital current on your layout you can use a **second Booster-Adapter Adap-CDE** for **further ten DigitalBooster DB-2**. For this assembly is it possible to use **one case LDT-01** for **two Booster-Adapter Adap-CDE**.

Connecting the adapter to the Digital-Booster DB-2:

Insert the **5-poles plug-connector** of the **booster bus cable** that way onto the **pin bar plug ST1** of the **Booster Adapter Adap-CDE** that the **white single wire** of the booster bus cable **corresponds** to the **white marking** next to the pin bar. The plug shall **never be inserted offset** to the pin bar.



Connect the **DigitalBooster DB-2** to the **transformer** and the **rail** in accordance to the **operation manual of the DB-2**.

The **rail sections** which are **supported by the Digital-Central-Unit** and a **DigitalBooster DB-2** have to be **electrical separated on both sides**.

If it comes to a **short circuit** during a **train is passing the rail splitting** (Digital Central Unit respectively Remote Control indicates "short circuit") you should **change** the two **digital wires "red" and "brown"** (clamp **KL2**) at the **DigitalBooster DB-2**.

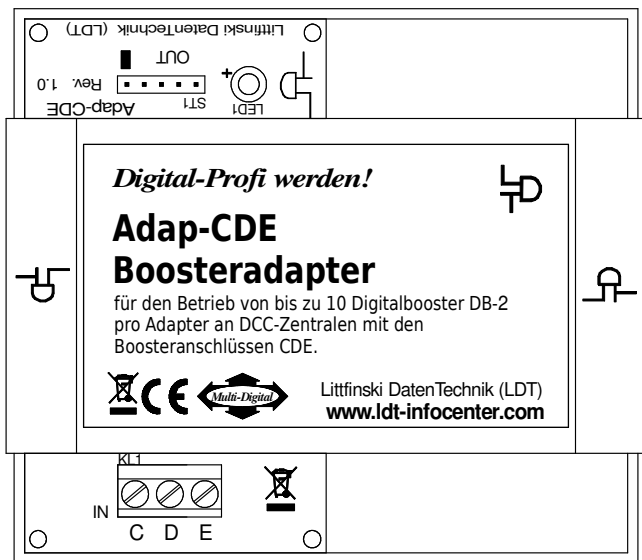
Two **track sections** which are supported by **two different DigitalBooster DB-2** have to be **separated on one side** only which will be supported by the **digital wire "red"**.

The **galvanic separation** between **DigitalBooster DB-2** and **Digital-Central-Unit** will be provided by **optical coupling devices** on the booster adapter **Adap-CDE** and assures therefore a safe **electrical operation**.

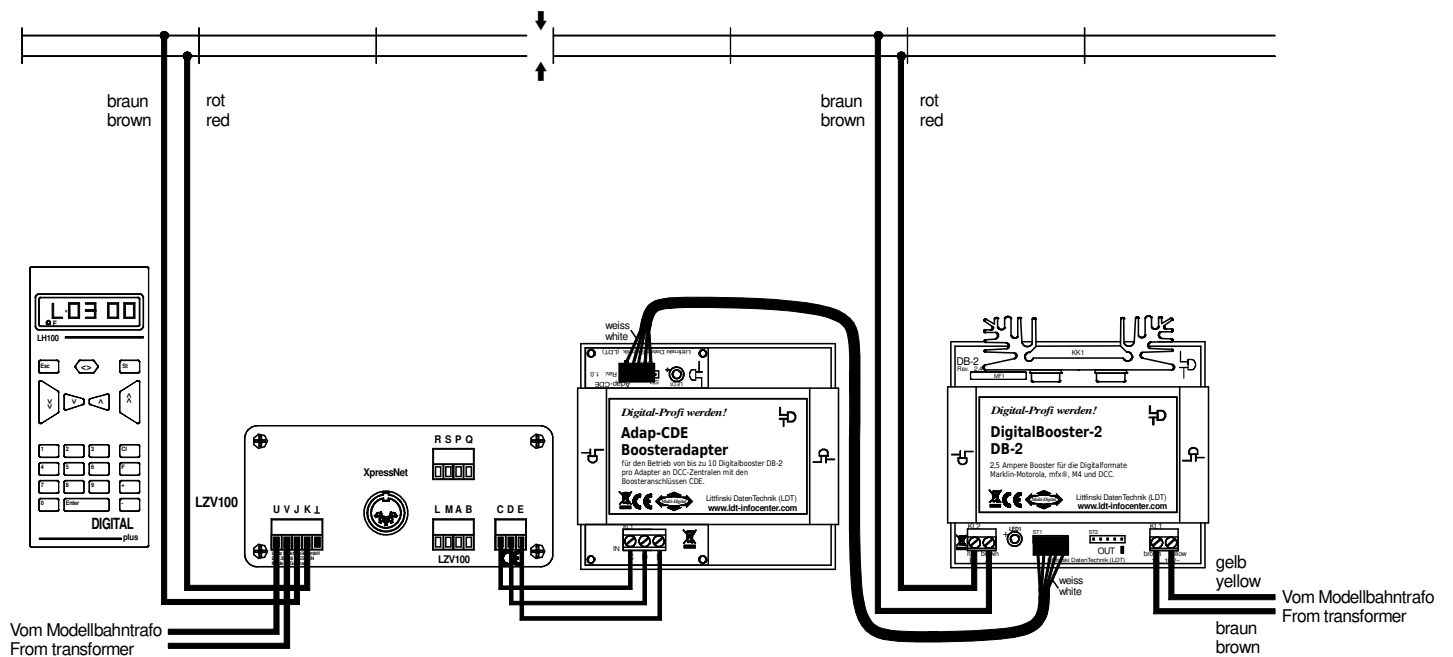
As soon as the **booster adapter Adap-CDE** will get **current supply** from the **switched-on DigitalBooster DB-2** the **red light emitting diode** of the adapter **lightens up** and indicates that the adapter **is ready to operate**.

The **Lenz Digital plus brake modules BM1, BM2 and BM3** require a **symmetrical digital signal** which will **not be supplied by the DigitalBooster DB-2**. The **DigitalBooster DB-2** is therefore **not suitable** for the application together with the **brake modules**.

Colored sample connections can found within our Web-Site www.ldt-infocenter.com at he area **"Downloads"**.



Connecting the first DigitalBooster DB2 via the **Booster-Adapter Adap-CDE** with the **Lenz Central Unit LZV100**



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