



Malux GSM-R TrainTalk™
for reliable railway communication





TrainTalk™ GSM-R

The TrainTalk™ system sets a new standard for reliable railway communication. This cost-efficient 2W system, instead of 8W, offers quick and flexible installation for engines and other vehicles throughout the railway area. It is designed for easy installations in existing or new engine fleets.

The wide range of equipment options combines with fast and cost-efficient implementation to ensure flexibility in railway communication.

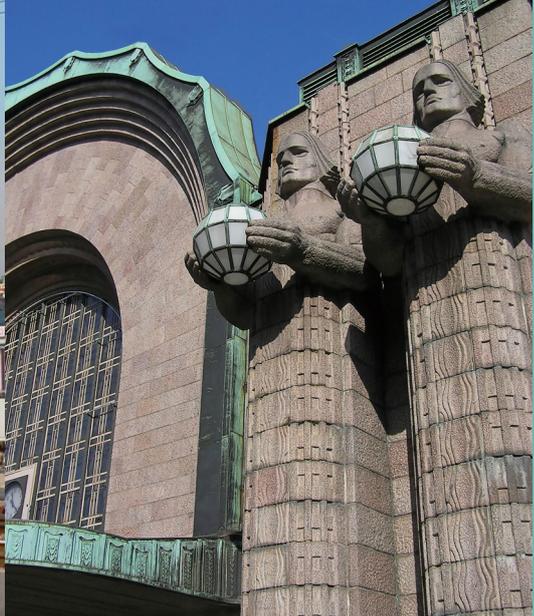
The TrainTalk system is designed in accordance with the EN 50121-3-2 (2006) and EN 50121-4 (2006) standards.



GSM-R handsets

While originally designed for OPH-810R and OPS-810R phones, the TrainTalk system can also be modified for other type of hand helds (TETRA etc).

Other cradles are available on demand.



Plug and talk!

Malux Finland Oy specialises in communication equipment and solutions for harsh environments.

The foundations of Malux Finland's success are formed of top-notch ability to serve customers and find long-lasting and smart solutions. We have applied the Malux innovative spirit, in development of the new TrainTalk™ communication systems for railway area use. It was an important design goal that the new communication set for railways be as simple to install as it is to use – just plug in and talk!

■ Versatile kits for easy installation!

If the TrainTalk™ enclosure does not suit the application in its original state, components such as phone or cradle, volume control, PTT-button and handset can be installed separately as free-standing units, making TrainTalk installation very flexible.

Functions available via GSM-R handset can easily be adapted to the TrainTalk unit.



Malux



Malux Finland Oy
Phone: +358 19 574 5700
www.malux.fi

Malux Sweden AB
Phone: +46 660 29 29 00
www.malux.se



ISO 9001

TrainTalk™ benefits

- *Cost-efficient*
- *Reliable in communication over the GSM-R network.*
- *Easy to install for railway engines.*
- *Easy to use and install throughout the railway area, also in other vehicles and in earlier generation railway engines.*
- *Flexible – via the wide range of TrainTalk sets.*
- *Convenience with the OPH-810R and OPS-810R cradle (other cradles on request).*
- *High quality, with components meeting higher industry standards.*
- *Maintenance-friendly.*
- *Compliant with the EN 50121-3-2 (2006) and EN 50121-4 (2006) standards*



TrainTalk™

Units:

1. Handset
2. Cradle for GSM-R phone
3. PTT-unit
4. Loudspeaker
5. Microphone

Complete unit or separately installed kits?

The TrainTalk™ kit has a modular design, which enables the system to be optimally installed in a variety of railway cabs, of different generations, as well as in maintenance vehicles in the railway area.

The installation of the system is flexible; all components can be installed separately as free-standing units, or it can be modified for enclosure installation and rack enclosures as well.



The CU-unit





Examples of 2W TrainTalk™ kits



Type	Description
TM 2002	Dashboard / modulare installation Supply voltage 24VDC Including CU-unit, base plate, cradle, loudspeaker, handset, microphone, PTT button and volume control, 0.6 m antenna cable with N-connector, installation brackets



Type	Description
SR 2004	Installation with enclouser Supply voltage 24VDC Including CU-unit, base plate, cradle, loudspeaker, handset, microphone, PTT button and volume control, 0.6 m antenna cable with N-connector

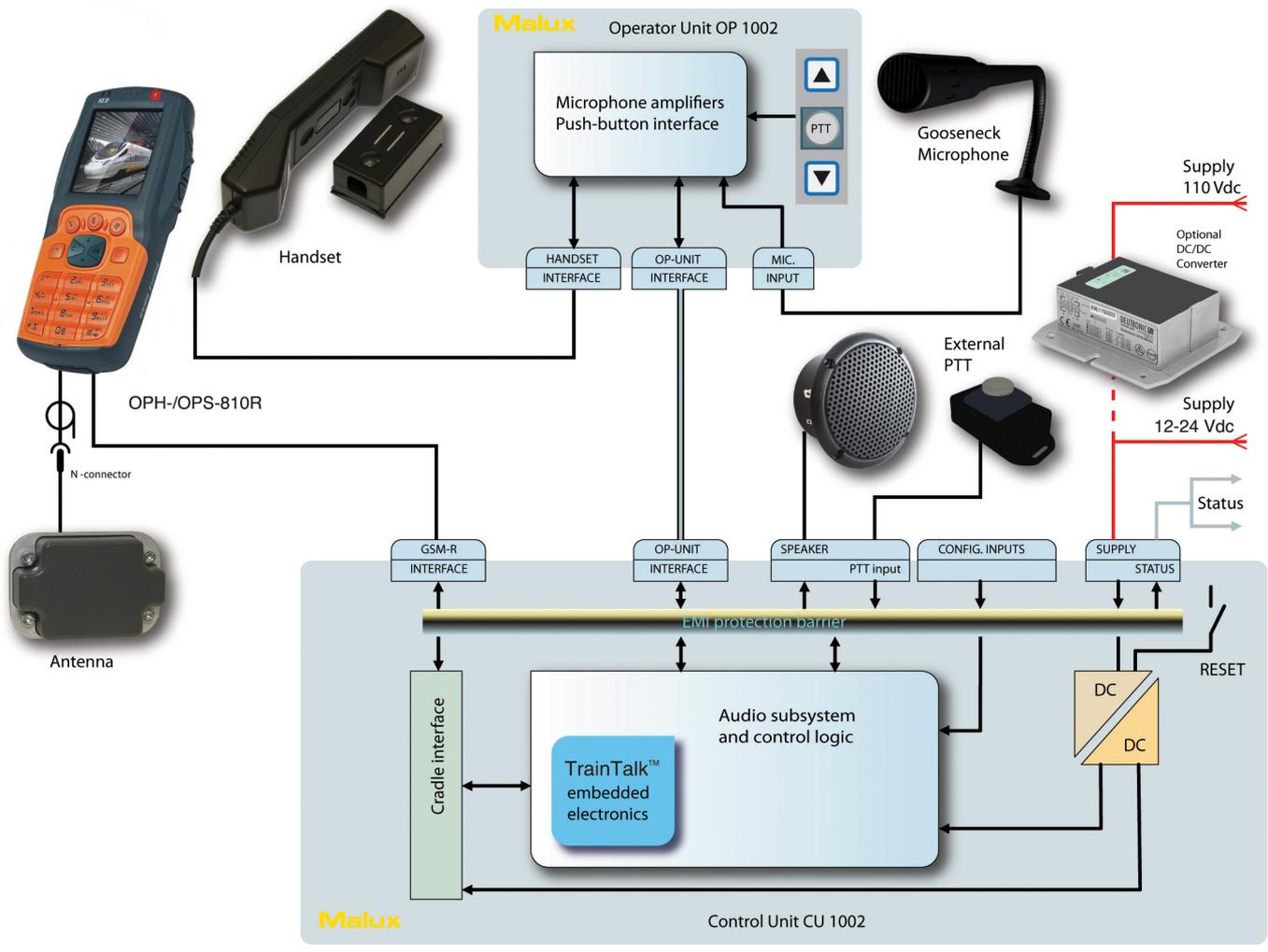


Type	Description
RM 2006	Rack installation Supply voltage 24VDC Including CU-unit, base plate, cradle, loudspeaker, handset, microphone, PTT button and volume control, 0.6 m antenna cable with N-connector



Type	Description
TS 2008	Training unit, portable Supply voltage 230VAC/24VDC Transformer 230V/24VDC Including CU-unit, base plate, cradle, loudspeaker, handset, microphone, PTT button and volume control, 0.6 m antenna cable with N-connector

Block diagram



Charger for GSM-R

The CH2000 charger for train use keeps your GSM-R handset / backup solution charged at all times, and includes a CU-unit, base plate, and cradle (Cradle exchangeable for future phone models).

Compliant with the EN 50121-3-2 (2006), EN 50121-4 (2006) and EN 50155 standards. Power supply 12VDC/24VDC. 105x125x30mm.

We recommend CH2000 for safety reasons.



CH2000 and cradle

OPH-810R

The OPH-810R GSM-R Operational Purpose Handset replaces the deprecated TiGR350R model. This new model has all the important functions you can expect to find in a GSM-R handset, including: Group Call / Broadcast, Railway Emergency Call, enhanced Multi-Level Precedence and Pre-emption (eMLPP), Functional Numbering Management, LoneWorker protection*, and Railway Communication Dialing. **Optional*



OPH-810R / OPS-810R

OPS-810R

The OPS-810R handset has all the same functions as the OPH-810R, as well as a shunting mode and support for remote communication equipment and remotespeakermicrophone* . Replaces the deprecated TiGR550R. **Optional*

Accessories



Clip table with Leather Belt.



Clip table.



Three decades of devotion to security

Malux Finland Oy was founded in 1979 and has its office on its own premises in Porvoo, 50 km east of Helsinki. With two offices in Finland and three sales offices in the Baltic states, Malux serves the chemical and process industry with electrical devices for explosion-hazard areas and communication equipment for harsh environments. Malux also specialises in vandal-resistant lights, under-water and outdoor lighting and emergency lighting.

Malux Finland is a part of the Swedish Malux Group.

Malux Finland Oy delivered its first TrainTalk™ 2W system to the Finnish railway operator (VR) in 2009–2010. Since 2010 TrainTalk devices has been delivered around the world.



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