

Reporter Set Motorola 2700 mobile broadcast unit (for O.B. van)

- operation manual -

Thank you for using a GSM interface in your broadcast system. This digital cellular telephone interface is designed for use in the GSM (Global System for Mobile communications) network. GSM is the international standard for cellular communication, available in most European countries and many other parts of the world. This product is in conformance with the CE approvals for GSM applications of the European Community.

Please, read the manual!

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Connection and operation instructions

notice:

Please, take care of the safety advices in the original Motorola 2700 operating instructions ! Refer to the original Motorola 2700 instructions manual for detailed installation instructions of the car kit.

The battery features in the 'Phone Setup Menu' like: 'Battery Meter' and 'Battery Saving Mode' are not available.

Always disable the 'call waiting' - function of your SIM-card. This might cause trouble while using the 'Reporter Set'.

Type '#43#' on the handset and press the 'OK' - button. Wait a few seconds, the change will be confirmed by the network then.

operation:

By switching on the mobile phone on the handset the 'Reporter Set' is also ready-to-operate.

A connection set-up is done with the handset of the mobile phone as it is described in the Motorola 2700 instruction manual.

A running call can be taken over to the mixing console of the O.B. van.

1. by a push to the take over switch on the frontpanel of the interface (refer to the frontpanel view).
2. by pressing the remot control switch connected to the remote control jack on the frontpanel of the interface.

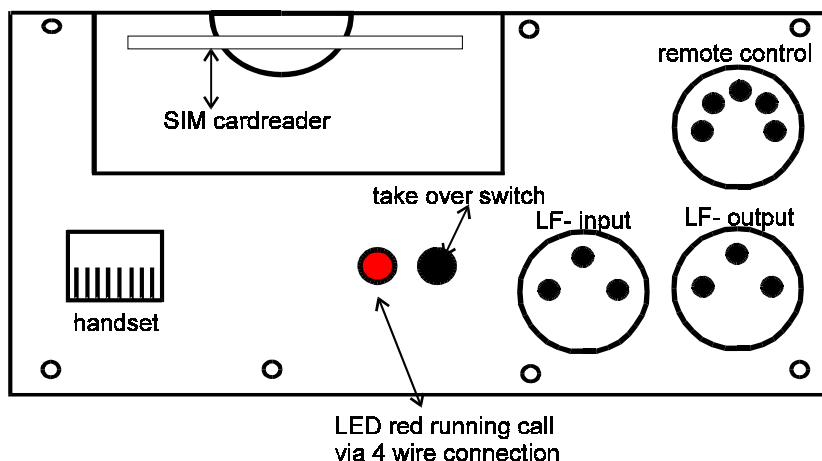
The operation mode „mixing console“ is indicated by the red LED beside the take over switch, or with a LED connected to the remote control jack.

If the handset is hooked up during a running transmission the LF can alternate from handset to audio connectors (mixing console) by pressing the take over switch.

The transmission can be quit with the take over switch if handset on hooked.

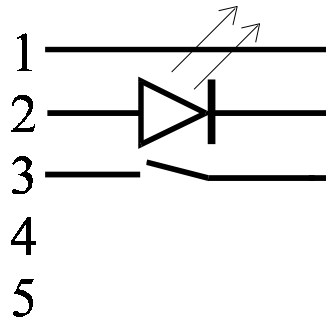
The volumes preset of the Motorola handset must be adjusted to 4 bars. Then the LF (voice frequency) level is + 6dB (1,55 V) in both directions.

front panel view:



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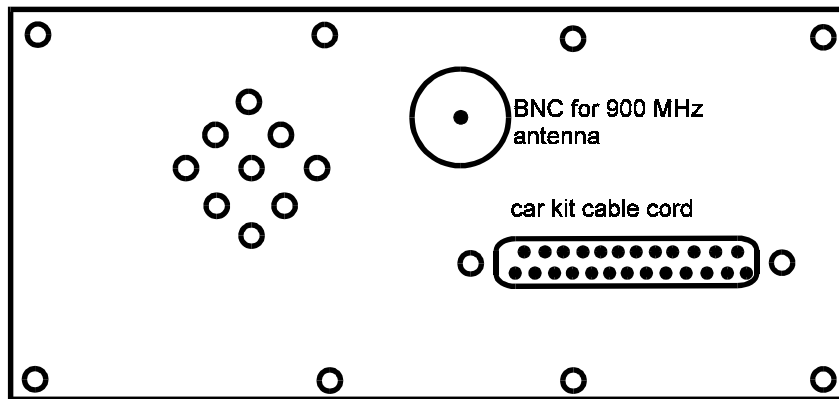
remote control
 5 pol. female XLR audio connector
 Pin 1 - shield
 Pin 2 - LED (multiplier resistor inside)
 Pin 3 - takeover switch
 Pin 4 - not used
 Pin 5 - not used



3 pol. female XLR audio connector
 (Pinning of input and output is the same)
 Pin 1 - shield
 Pin 2 - LF-signal
 Pin 3 - LF-signal

All audio in- and output are balanced and groundfree.

rear panel view:



technical data:

LF-input:	impedance	-	100 KOhm
	sensitivity	-	1,55 V / 6dBm
LF-output:	minimum load impedance	-	600 Ohm
	output level	-	1,55 V / 6dBm
dimensions:	length	-	250 mm
	breadth	-	95 mm
	height	-	200 mm

connectors:

- BNC GSM antenna 900 MHz
- RJ 45 plug handset Motorola 2700
- 5 pol. XLR remote control, take over switch, LED
- 3 pol. XLR in-/output
- male 25pin Sub-D original Motorola car kit cable cord,
pinout like original Motorola instruction manual

* NOTICE !

- * The Reporter Set operates with radio signals which might be subject to interference
- * to persons and equipment.
- * It is recommended to use the interface with an external antenna outside of the
- * building for avoidance of interferences to other electronic equipment.