

## Reporter Set Motorola 2700 portable version



## - 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 only available, if no external power supply is connected.*

*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:

Insert a valid SIM card into the cardreader and connect the audio devices to the audio connectors.

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 manual.

A running call can be taken over to the connected microphone and headphone by a push to the take over switch (refer to the frontpanel view ).

The operation mode „headset activ“ is indicated by the red LED beside the take over switch.

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

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

The volume of the connected headphone can be adjusted with the volume knob on the frontpanel. Please notice! The volumes preset of the Motorola handset influences the headphone loudness too. The push button "microphone on - off " mutes or unmutes the connected microphone. "off" is indicated by the flashing red LED beside the mute button.

Four default volume settings can be adjusted within the **Reporter Set**:

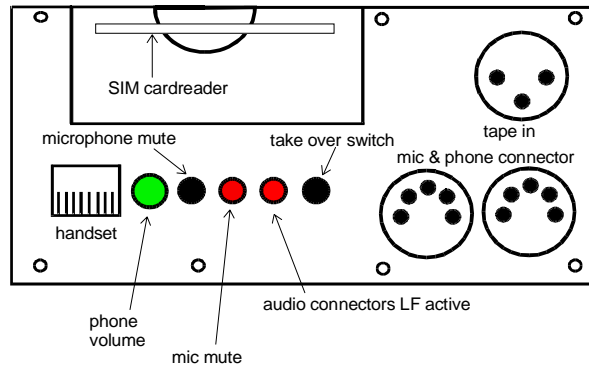
- |    |                               |         |
|----|-------------------------------|---------|
| 1. | outgoing microphon volume     | * * * 1 |
| 2. | microphon volume to headphone | * * * 2 |
| 3. | outgoing aux-in volume        | * * * 3 |
| 4. | aux-in volume to headphone    | * * * 4 |

Factory set is "5".

An adjustment must be done during a running call and the LF taken over to the audio connectors. Select the character string of the volume preset that is to be adjusted. Type digits on the handset keyboard (for exsample \* \* \* 1 ). The settings can be changed by pressing the numeric keys 1-9 (steps of 2,5 dB). Quit the adjustment by pressing the „C“ button long.

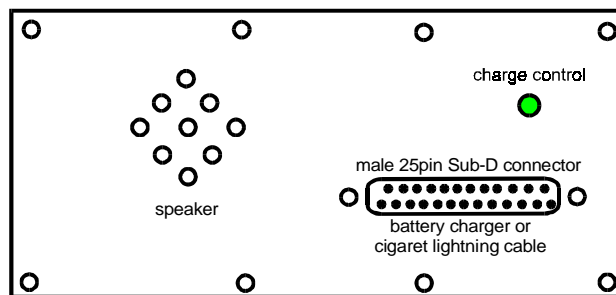
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## front panel view:



The green LED on the rear panel is the charge control for the internal battery and indicates an external power supply.

## rear panel view:



## connectors:

- |              |   |
|--------------|---|
| - BNC        | GSM antenna 900 MHz   |
| - RJ 45 plug | handset Motorola 2700   |
| - 5 pol. XLR | microphone / headphone  |
| - 3 pol. XLR | tape in   |
| - male       |   |
| 25pin Sub-D  | plug-in power supply for battery charging and permanent operation (optional)    |
|              | cigarette lighter cable for battery charging and permanent operation (optional) |

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## technical data:

microphone in:	impedance	-	200 ohm
	sensitivity	-	variable from 0,5mV – 5mV
headphone out:	impedance(recommended)	-	300 Ohm
		volume	- adjustable
tape in:	amplifier capacity	-	10 mW
	impedance	-	50 KOhm
	sensitivity	-	variable from 100mV - 1V
power consumption:		-	stand by appro. 300 mA max. 1500 mA
dimensions:	length	-	250 mm
	breadth	-	95 mm
	height	-	200 mm
	weight:	-	appr. 3,6 kg (incl. battery, bag, telephone and handset)

All audio in- and outputs are balanced and groundfree.

The seizure of the audio connectors is conform to the ARD specification no.: 3/1-8/2:

5 pol. female XLR audio connector  
(both connectors parallel)

Pin 1 - shield

Pin 2 - microphone

Pin 3 - microphone

Pin 4 - headphone

Pin 5 - headphone

3 pol. female XLR audio connector  
(aux in)

Pin 1 - shield

Pin 2 - LF (voice frequency signal)

Pin 3 - LF (voice frequency signal)

## **\* 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.**