

# *RS-140*

## *Live reporting and communication*



### ***Professional handsfree interface unit for mobile phone.***

**Live reports:** Although one tries to avoid this, there are situations in which a reporter of necessity has to use his mobile (GSM) telephone for a live broadcast. It could be that neither ISDN nor PSTN lines nor a satellite uplink are available, but the reporter has hot news and needs to get this to the studio immediately. He does however, have a mobile phone. This is when the RS-140 can come to the rescue. The RS-140 serves as the interface between his mobile telephone, microphone and headphones. After connecting these devices he can immediately commence with live reporting. Questions, commands or the return programme can simultaneously be received from the studio. But more importantly, in comparison to the sound of a normal mobile telephone call, the sound quality when using the RS-140 is decidedly better. The improved sound quality is more pleasant to the ear! The normal world wide GSM network is used for transmission. A wireless connection can thus be established in seconds enabling the reporter to do a live report from any hot spot.

**Communication with OB van:** Intercom systems in OB vans are essential to liaise between different parties. All those on set, technicians, producers etc. are able to remain in contact with the OB van while using their mobile phone connected to a RS140. An added advantage is that distance to the OB van is no longer a limitation. If an OB van does not have an ISDN line at its disposal, then the RS-140 can also be used as a GSM hybrid. The GSM hybrid is also available in 19" rack version (RS-250).

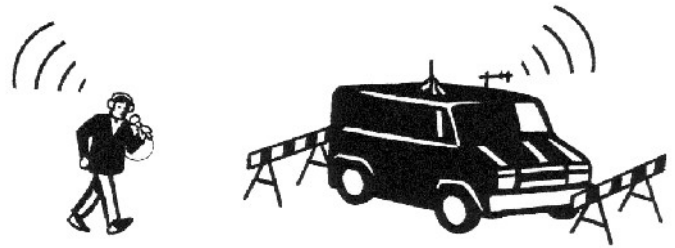
All GSM hybrids have line-in and line-out.

***Reports to the studio are louder and clearer!***

# RS-140: Handsfree Reporter Interface for Mobile Phones!

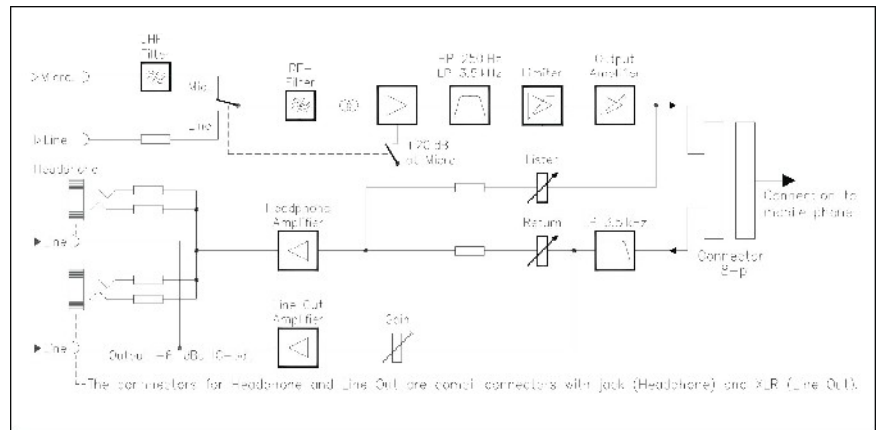
## Features

- sounds louder and clearer
- input mic/line, output 2 headphone/line
- compatible with all mobile phone models
- wireless digital 4-wire connection to a GSM or ISDN hybrid
- can be used as GSM hybrid
- no cross-talk, less noise



## Easy Connection

The Reporter Interface series RS-140 is designed in such a way, that it can easily be connected to a GSM telephone. The GSM telephone is simply connected with a cable to the RS-140. Cables are available for various types of GSM telephones and from different manufacturers. All electrical connections are realised via the connector at the bottom of the mobile phone. During live contributions the RS-140 can be attached to a belt, so that the reporter has his hands free. On the bottom side of the unit, there are two XLR connectors for connection of a microphone or a source with line level, such as a recorder or mixer. It is possible to switch between both sources. Headphones or a line input can be connected with two combined XLR/jack connectors. A mix between the transmission signal and the return signal can be adjusted with the two controllers and be heard on the headphones. The second headphone jack can also be used for other equipment such as a mixer or a PA installation. Power is supplied by two standard 1.5V AA type batteries to be inserted in the back of the unit. The RS-140 can also be powered by an external power supply with 10 to 26 V DC through a 2.5mm DC connector.



## Technical Specifications

Connectors:	2 XLR-connectors inputs 2 Combi-XLR / jacks 6,3mm outputs: • Line level on the XLR part • Headphone level on the 3-pin jack
Input level:	Microphone: -40 to -60 dBu Line: -10 to +6 dBu
Output level:	Via transformer, symmetrical and free from earth Headphones: max. +12 dBu in 600Ω or +9 dBu in 200 Ω Line: +6 dBu
Audio range:	250 to 3500/7000 Hz (limited by the telephone filter)
Dimensions:	140 x 100 x 35 mm
Weight:	430g
Power:	approx. 50 mA (~50 hours with 2500mAh batteries)
Recommended microphones:	All dynamical microphones with an impedance of 200 Ω
Recommended headphones:	All types with an impedance between 60 and 2000 Ω



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