

# eela-audio

## Broadcast products

**EA 816**  
GSM Telephone hybrid

**HD  
VOICE**



## PRODUCT INFORMATION

The EA816 is a stationary telephone hybrid for the GSM network. It is an industrial quality quad band GSM module with AMR-WB codec and the facilities for use as a broadcast hybrid.

- For use in areas without cabled telephone connections.
- To make use of the new HD-voice (Advanced Multirate - Wideband) facilities more and more mobile telephone companies are offering. The audio bandwidth is extended from 50 Hz to 7 kHz for a crystal clear sound, ideal for the radio reporter in combination with the S25 Reportophone.
- Facilities for broadcast applications include remote controls on GPIO. For special applications the unit has an auto answer and auto disconnect mode as well as a switch that can be operated from the dial pad of a remote telephone.

An industrial quality GSM module in a half 19 "housing for fixed installation. The EA816 will interface to the studio mixing desk as a regular hybrid including balanced audio input and output and opto isolated GPIO for control.

EA816 back panel . :

12 Volt power supply

SMA Antenna connector,

Push-in / push out SIM card,

RJ11 handset connector,

D9 remote connector,

Balanced audio input and output on XLR3.

Wide power adapter included 85 .. 260 Volts AC, 47 .. 440 Hz.



Please contact your local EA dealer for more information about Eela Audio products.

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### HD-VOICE:

HD Voice based on AMR-WB (Adaptive Multi Rate) Wideband technology provides enhanced audio quality to 7 kHz bandwidth on mobile networks. This system is being rapidly implemented by various telecom providers. A large number of phones including Nokia, Samsung, HTC and LG have the codec installed. Also our S25 Reportophone will do fine. With improved sound quality (and low cost) within a reliable network, this system is ideal for reporting purposes. More information about availability in your country can be found on the website of the Global mobile Suppliers Association (GSA) [www.gsacom.com](http://www.gsacom.com).

The system is automatically activated when both devices are equipped with such a codec. The EA816 offers the solution on the studio side.



### EA816 TECHNICAL DETAILS:

- Half 19" housing, 2 units can be mounted together, rack mounts optional,
- Display and control switches on the front panel,
- External antenna, wired antenna for mounting outside 19" cabinet possible,
- SIM card slot, directly accessible from the rear,
- Balanced audio input and output on XLR-type connectors,
- Standard telephone handset jack,
- GPIO connector for interfacing with broadcast mixing desks using opto isolated contacts,
- Simple memory for up to 10 telephone numbers,
- Switchable and adjustable echo canceling,
- Dual-Band UMTS/HSDPA 900/2100MHz,
- Quad-Band GSM/GPRS/EDGE 850/900/1800/1900MHz,
- Output power: UMTS 850/1900: 0.25W; UMTS 900/2100: 0.25W;  
GSM850/GSM900: 2W; DCS1800/PCS1900: 1W.

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