



GSM Gateway ISDN BRI Interface 1-2 SIM

DIAL-112



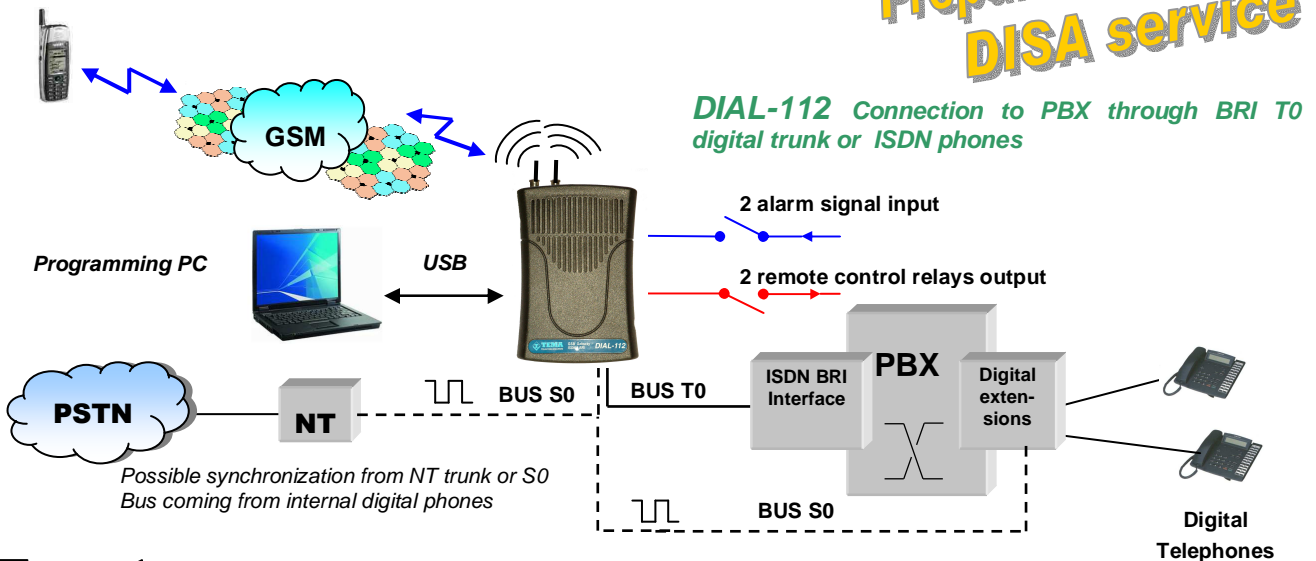
DIAL-112 is a new GSM Gateway that can be connected to a PBX ISDN BRI trunk interface in order to eliminate mobile cross-network fees: now the users can call mobile phones at low cost as **DIAL-112** securely transforms fixed-to-mobile in mobile-to-mobile calls, exploiting its two Quad-Band GSM engines. **DIAL-112** gateway is available with 1 or 2 GSM modules (1-2 SIM).

DIAL-112 has a NT port to connect TE port to the NT-BRI side ISDN of the PBX. If the PBX has the LCR (Least Cost Routing) function, it is possible to configure the route selection table (ARS-Automatic Route Selection Table) so **DIAL-112** will be used as default output gateway for mobile calls. Alternatively the call must be pre-selected by a configurable code prior to the called number.

DIAL-112 has an internal LCR feature that allows module's selection to route the GSM calls. It is also possible to choose the SIM card (operator) to use depending on the prefix of the called number. **DIAL-112** must be connected to an ISDN BRI T0 interface and has 2 contacts of external input for alarm / remote notification service via SMS and 2 output relays.



ISDN BRI 1-2 SIM
USB programming
Smart callback
Prepaid management
DISA service



Features

- 1-2 built-in GSM Quad-Band (850/900/1800/1900 MHz) engines
- Compatible with 1.8V to 3V SIM CARD
- DISA service for PBX's direct internal selection
- Possibility of counting minutes of traffic for outgoing calls, with the possible blocking of calls following to the end of the credit or sending SMS text alerts
- Smart callback for the automated diversion of the call back to the extension
- "SMS callback", for SMS sending with predefined text if the called number doesn't answer or is busy
- Service to automatically route the caller based on his CLI to an internal extension target
- T0 BRI Euro-ISDN Point-to-Point or Point-to-Multipoint connection
- USB connection for PC programming, without dedicated software
- Programmable via local phone or remotely, via DTMF tones
- Audio loudness setting in TX/RX independently on both GSM channels
- Flexible and optimized management of the system's SIM cards
- LED indications of system status



Main features

- ◆ One or two built-in GSM Quad-Band 850/900/1800/1900MHz engines
- ◆ Time limitation of outgoing calls
- ◆ Incoming / outgoing call barring separately on each module
- ◆ Possibility of avoiding sending GSM SIM identity (CLI)
- ◆ Programmable via local phone or remotely, via DTMF tones
- ◆ Possibility of rejecting all incoming calls or anonymous incoming calls
- ◆ Caller identity (CLI) sending to the ISDN equipment
- ◆ 2 contacts of external input for alarm / remote notification service via SMS
- ◆ 2 internal relays contact for remote control of low power devices, in impulse or stable mode
- ◆ **“Smart callback”** for outgoing calls: for the automated diversion of the call back to the extension
- ◆ **“SMS callback”**, for SMS sending with predefined text if the called number doesn't answer or is busy
- ◆ Possibility of SIM Card use based on **prepaid credit** minutes or free traffic SIM
- ◆ Service to automatically route the caller based on his CLI to an internal extension target
- ◆ Internal LCR depending on the prefix or channel B chosen
- ◆ **DISA service**: direct selection of the extension via DTMF tones
- ◆ Possibility of activation of the DISA service based on CLI caller identity

Technical features

◆ Radiofrequency Section

Built-in GSM modules	: Quad Band (850/900/1800/1900MHz)
Network type	: GSM, Phase II
SIM Card	: Plug-in, 3V, 1.8V small
Transmitter power	: Max 2W/900MHz 1W/1800MHz
Receiver sensitivity	: > - 100dBm
Antenna / frequency	: 50 Ω, 900/1800MHz
Antenna cable length	: 2.5 mt, with FME-F connectors

◆ ISDN Section

Sync-NT port	: TE port to the NT-BRI side only for synchronism
TE-PBX port	: NT port to the PBX side
ISDN protocols	: Euro-ISDN
Connection	: Point-to-point or point-to-multipoint
Available services	: CLIP, CLIR
Dial tone	: 425Hz, configurable cadency

◆ General Features

Provided power supply	: Input 230V _{AC} , 50Hz, 12VA Output 12V _{DC} , 1A
Max relays capacity	: 30V _{DC} , 200 mA
Inputs capturing	: for reading a clean contact
Operating temperature	: 0°C - +45°C
Relative umidity	: up to 95% non condensing
Weight	: 1500 gr packaged
Dimensions (HxWxD)	: 43 x 130 x 185 mm

Front view



Rear view



The manufacturer reserves the right to change product characteristic without notice



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