



OM CallRecording USB 1-BRI

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Device Description and Features

OM CallRecording USB 1-BRI is a call recording device for the two telephone lines of an ISDN S0 basic rate interface. The ISDN bus is passively tapped with a high impedance circuit. The digital contents of the ISDN frames is transferred to the PC via a USB cable, which is also used to power the device. Software on the PC decodes the information on the D-Channel and creates audio files from the B-Channel data during active calls. All data is stored on the hard disk of the PC operating the device.

OM CallRecording USB-1 BRI has 4 multi-colour status LEDs. These indicate

- device activity,
- ISDN line power feeding state,
- layer 1 and layer 2 activity,
- signal polarity and
- B-Channel usage (calls in progress).

The device and software can automatically detect if an S0 bus is operated in point-to-point or in point-to-multipoint configuration.

The small form factor and rugged enclosure make OM CallRecording USB 1-BRI suitable for stationary and mobile use.

Use Cases

Call Recording is important for a number of industries and service providers.

- Financial institutions need to provide proof for any orders placed or any contracts closed during a phone call.
- Professionals providing consulting services in legal matters or health care may be liable for misadvice and a recording of the phone call could help to document the conversation.
- Call centres may need to demonstrate to their clients that the quality of their customer communication is indeed high.
- Operators of emergency phone numbers (police, fire brigade, ambulance) are legally required to record any emergency calls.
- Taxi operators or pizza delivery services may find it useful to document their calls for later reference.
- Phone system maintenance and installation personnel can use the device to find any faults quickly.

The legal requirements for call recording are different in each country. Please seek legal advice to implement call recording in a lawful way.

CALL RECORDING

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Technical Data

Device Package Contents	<ul style="list-style-type: none">• OM CallRecording USB call recording device• CD-ROM with call recording software and user manual• Printed Quickstart Manual• USB cable• ISDN cable
Dimensions	76 x 55 x 19 mm
Weight	60 g
S0-Interface	ITU-Standard I.430 Point to Point, Point to Multipoint
Impedance	> 20 kΩ AC
Connector	2 x RJ45 Western Modular
Tests	Signal polarity, framing, power feeding, protocols
Channels	D, B1, B2, E, M, A, Q, S
Protocols	Q.931, Q.SIG, DSS1, voice activated
USB	1.1 and 2.0 (full speed)
USB Socket	USB Type B
Power	< 90 mA
LEDs	4 x red / green
Sampling Frequency	8000 Hz
Certificates	CE, RoHS, WEEE

Computer Requirements

Operating System	Windows Vista® Windows Server® 2008 Windows 7® Windows Server® 2008 R2 Windows Server® 2012 Windows 8®, Windows 8.1® (32 and 64 bit) Windows Server® 2012 R2 Windows® 10 Windows Server® 2016
Disk Space (software)	30 MB (excluding .Net runtime)
Disk Space (call recordings)	60 ... 960 KB/minute per channel and call
Processor Clock	> 1500 MHz
USB	1 external USB port

Article

OM CallRecording USB 1-BRI; call recording solution for 1 BRI, contains a USB call recording device and call recording software

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Connection Diagram

