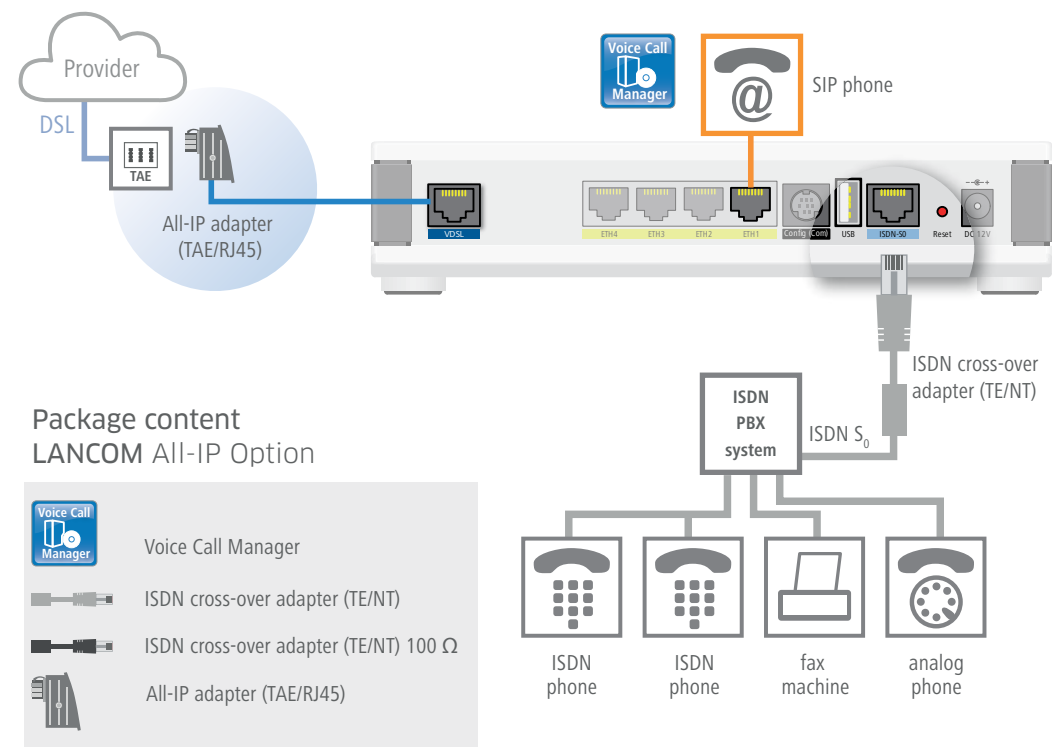


LANCOM All-IP Option Installation Guide



All-IP with existing ISDN terminal devices or an ISDN PBX



With the LANCOM All-IP option, the router is upgraded with telephony functions to serve as a „translator“ between DSL (IP) and ISDN. This means that existing ISDN terminal devices and ISDN PBX systems can continue to be used without replacement. Existing SIP phones can still be used as before. The splitter and NTBA are no longer required as separate network components.*) The supplied All-IP adapter is used to connect the DSL interface of the LANCOM router to the telephone socket. The ISDN port of the LANCOM router is connected to the respective ISDN bus by means of the supplied ISDN cross-over adapter.

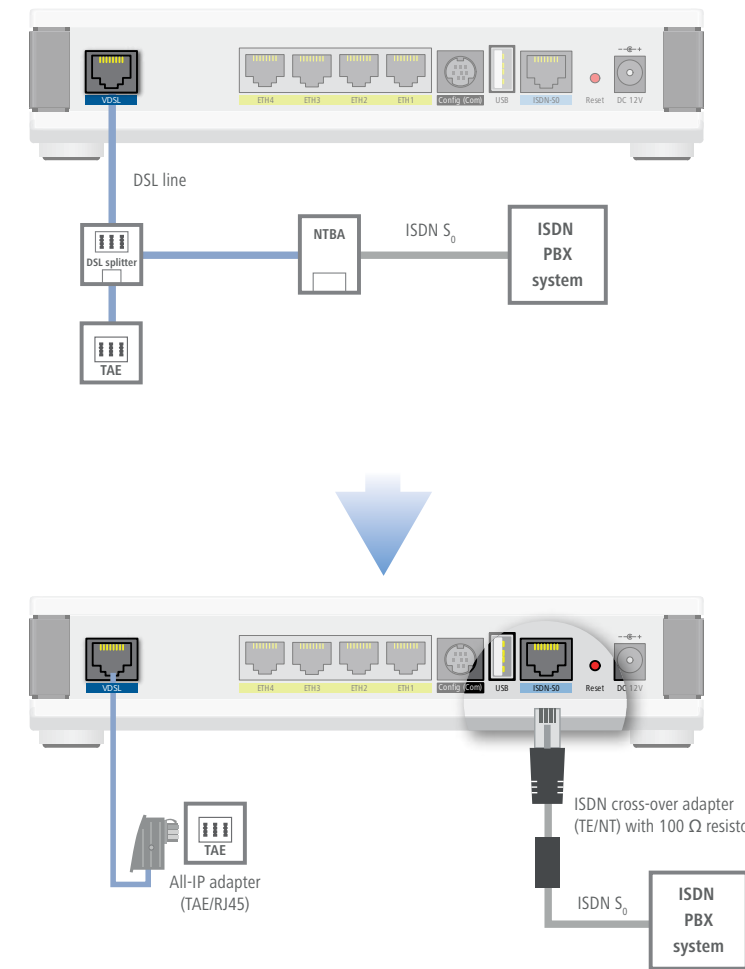
*) Under certain circumstances a splitter still may be required. Please contact your provider for further information.

Using the ISDN cross-over adapter

The LANCOM All-IP option is shipped with two ISDN cross-over adapters (with and without terminating resistor). Which ISDN cross-over adapter should be used to connect the ISDN interface of the LANCOM router to the ISDN bus depends on where you operated the previously installed NTBA:

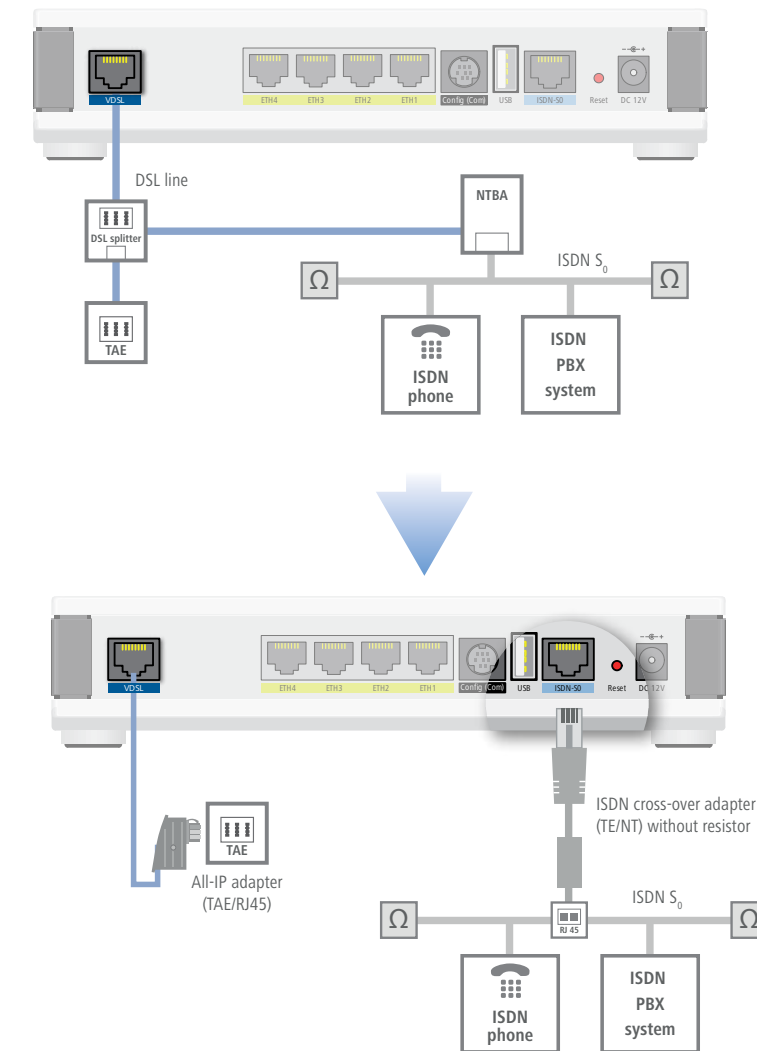
Common scenario (NTBA was endpoint of the ISDN bus)

The two physical ends of the ISDN bus must each be fitted with a terminating resistor. If the NTBA being replaced is one of the endpoints, you should use the ISDN cross-over adapter with the terminating resistor



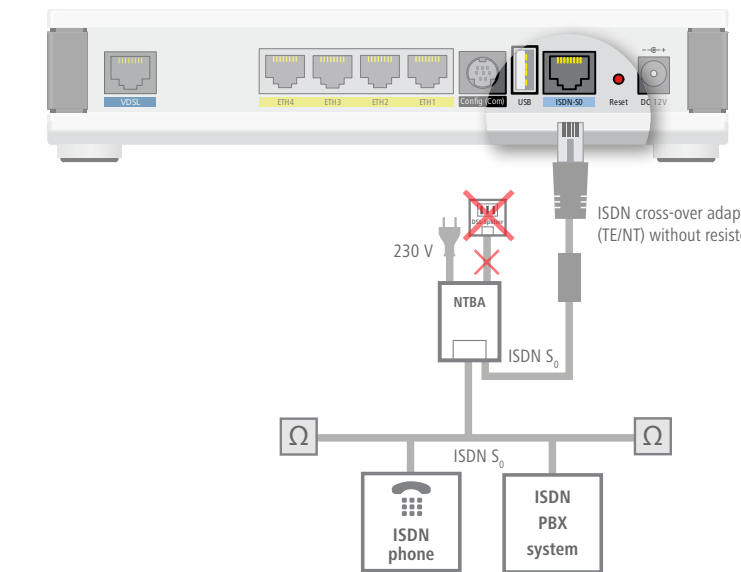
Special case (NTBA was not endpoint of the ISDN bus)

If the NTBA being replaced is not one of the endpoints of the ISDN bus, you should use the ISDN cross-over adapter without the terminating resistor.



Power supply of the ISDN bus via NTBA

The NTBA can still be used to supply voltage to the ISDN bus. In this case, the ISDN interface of the LANCOM router is connected to one of the ISDN S₀ interfaces of the NTBA by means of the ISDN cross-over adapter without a terminating resistor. The telephone socket of the NTBA is no longer used. It should be noted that the position of the NTBA relative to the ISDN bus remains unchanged.



Package content	
Adapter	ISDN cross-over adapter without terminating resistor (gray)
Adapter	ISDN cross-over adapter with terminating resistor (black)
Adapter	All-IP adapter (TAE / RJ45)
License key	The LANCOM All-IP Option is activated by means of a license key. For this purpose, the license key has to be registered at the following website: http://lancom-systems.com/service-support/registrations/router-options/
Functions	
Supported devices	LANCOM routers of the 1781er series, LANCOM 1631E and LANCOM 831A
Technical specifications	The technical specifications can be found in the datasheet on the product page of the All-IP Option on our homepage www.lancom-systems.com .