

1. ANALOG FAX QUICK GUIDE FOR THE NOKIA 32 TERMINAL

The Nokia 32 terminal supports group 3 analog fax connection according to ETSI TS 100931 v8.0.1. standard with maximum of 9600 bit/s. The analog fax feature is an addition to the product functionality and is supported with the following or newer software:

- 8.75 TME-3 (Nokia 32 GSM module)
- 5.03 DTX-3 (Nokia 32 application module)

1.1 Connecting analog fax to Nokia 32 terminal

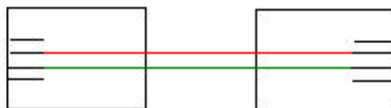
Connect the analog fax to the trunk connector of the Nokia 32 terminal.



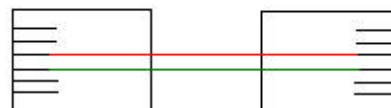
1.1.1 Connecting cable

Use a 2-wire cable between the analog fax machine and the Nokia 32 terminal. If you use a 4-pin RJ-11 cable, connect only the pins 2 and 3, as shown in picture 1. If you use a 6-pin RJ-11 cable, connect only the pins 3 and 4, as shown in picture 2. In both pictures, the coloured lines represent the connection to the pins in the trunk connector of the Nokia 32 terminal.

Note that even though RJ-11 connectors have 4 or 6 pins, only 2 wires can be connected, as shown below.



Picture 1: 4-pin RJ-11 cable



Picture 2: 6-pin RJ-11 cable

1.2 Configuring Nokia 32 terminal to analog fax mode

You can configure the Nokia 32 terminal to two different analog fax modes using either Nokia 32 Configurator software or the following command strings given by a DTMF landline telephone connected to the trunk connector of the Nokia 32 terminal:

****#####1234#12**0#** - for analog fax mode

****#####1234#12**2#** - for permanent analog fax mode

After the command, key in **555**#** to save the new settings and restart the terminal.

1.3 Using Nokia 32 terminal in analog fax mode

The Nokia 32 terminal uses the analog fax mode as a default.

1.3.1 Sending faxes

1. Connect the analog fax machine to the trunk connector of the Nokia 32 terminal.
2. Dial ***01*** to inform the Nokia 32 terminal about the outgoing fax call.
3. Dial the **recipient's number**.

Example: ***01*1234567**

1.3.2 Receiving faxes

Incoming faxes are received the same way as using a fixed line (PSTN).

If the Nokia 32 terminal does not receive information about the incoming call type from the GSM network, dial ***01#*** to force the Nokia 32 terminal to receive the next incoming call as a fax call. When a fax is received, this temporary setting is disabled. You can also disable the setting by dialling **#01#***.

1.3.3 Light indicators

When the Nokia 32 terminal is in analog fax mode, LEDs 2 and 3 are green. During a fax call, LED 3 blinks green.

1.4 Using Nokia 32 terminal in permanent analog fax mode

You can set the Nokia 32 terminal to permanent analog fax mode. In this mode, all calls are handled as fax calls.

When the Nokia 32 terminal is in permanent fax mode, the actual GSM voice channel enhancements are not in use and thus the voice quality may be poor.

1.4.1 Sending faxes

1. Connect the analog fax machine to the trunk connector of the Nokia 32 terminal.
2. Dial the **recipient's number**.

The prefix ***01*** is not needed in the permanent analog fax mode.

1.4.2 Receiving faxes

Incoming faxes are received the same way as using a fixed line (PSTN).

1.4.3 Light indicators

When the Nokia 32 terminal is in permanent fax mode, LED 2 is slowly blinks green and LED 3 is green. During a fax call, LED 3 blinks green.

1.5 SIM card requirements

Typically when a SIM card is activated for mobile services, only the voice and data services are activated. However, when using the analog fax feature of the Nokia 32 terminal, you must ask the operator to activate the fax service both for sending and receiving faxes.

Note that SIM cards may be provided with a separate number for each service, or a single number for all services.

1.5.1 SIM card with separate number for each service

This service type is preferred with the Nokia 32 terminal as it simplifies the usage of the terminal.

Option 1: Use the Nokia 32 terminal in analog fax mode

- Send by dialling ***01*recipient's number**
- Receive with the separate **SIM fax number**

Option 2: Use the Nokia 32 terminal in permanent analog fax mode

- Send by dialling the **recipient's number**
- Receive with the separate **SIM fax number**

1.5.2 SIM card with a single number

Option 1: Use the Nokia 32 terminal in analog fax mode

- Send by dialling ***01*recipient's number**
- Receive by dialling ***01#** when the incoming call is a fax

Option 2: Use the Nokia 32 terminal in permanent fax mode

- Send by dialling the **recipient's number**
- Receive with the **SIM number**

The Nokia 32 terminal analog fax checklist:

- Is the fax service activated on your SIM card?
- Is the connecting cable 2-wire?
- Is there a separate number for the fax service on your SIM card?
- Which fax mode do you prefer?
- Does the software on your Nokia 32 terminal support the fax feature?