



External Devices Guide

Definitions of Notes

We use the following symbols and conventions throughout this User's Guide:

IMPORTANT	IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
NOTE	NOTE specifies the operating environment, conditions for installation, or special conditions of use.
	Tips icons indicate helpful hints and supplementary information.
Bold	Bold style identifies buttons on the machine's control panel or computer screen.
<i>Italics</i>	Italicised style emphasises an important point or refers you to a related topic.
Courier New	Courier New font identifies messages shown on the machine's LCD.

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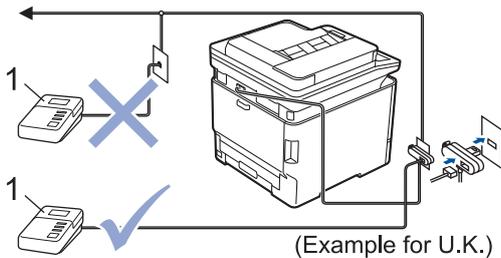
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External TAD (Telephone Answering Device)

Connect an external Telephone Answering Device (TAD) to the same line as your machine. When the TAD answers a call, your machine will “listen” for the CNG (fax calling) tones sent by a sending fax machine. If it hears them it will take over the call and receive the fax. If it does not hear them, it will let your TAD take a voice message and the LCD will show [Telephone].

The external TAD must answer within four rings (we recommend setting it to two rings). This is because your machine cannot hear the CNG tones until the external TAD has picked up the call. The sending machine will send CNG tones for only eight to ten seconds longer. We do not recommend using the toll saver feature on your external TAD if it needs more than four rings to activate it.



1 TAD

IMPORTANT

DO NOT connect a TAD elsewhere on the same telephone line.



If you have problems receiving faxes, reduce the Ring Delay setting on your external TAD.



Related Information

- [Connect an External TAD](#)
- [Record an Outgoing Message \(OGM\) on the External TAD](#)

Connect an External TAD

1. Set your external TAD to the minimum number of rings allowed. For more information, contact your telephone provider. (The machine's Ring Delay setting does not apply.)
2. Record an outgoing message on your external TAD.
3. Set the TAD to answer calls.
4. Set the Receive Mode on your machine to [External TAD].



Related Information

- [External TAD \(Telephone Answering Device\)](#)
-

Record an Outgoing Message (OGM) on the External TAD

1. Record five seconds of silence at the beginning of your message. This allows your machine time to listen for fax tones.
2. Limit your speaking to 20 seconds.
3. End your 20-second message by giving your Remote Activation Code for those who may need to send faxes manually. For example: "After the beep, leave a message or press *51 and start to send a fax."

NOTE

We recommend beginning your OGM with an initial five-second silence because the machine cannot hear fax tones over a loud voice. You may try leaving out this pause, but if your machine has trouble receiving faxes, then you should re-record the OGM to include it.



Related Information

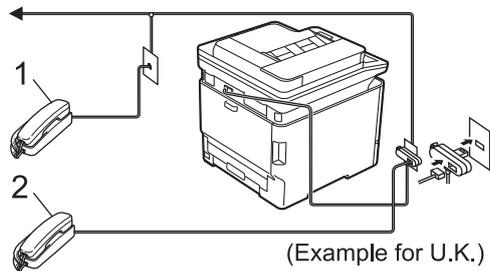
- [External TAD \(Telephone Answering Device\)](#)

External and Extension Telephones

- [Connect an External or Extension Telephone](#)
- [Operation from External and Extension Telephones](#)
- [Use Extension Telephones](#)
- [If You Use a Non-Brother Cordless External Handset](#)
- [Use the Remote Codes](#)

Connect an External or Extension Telephone

You can connect a separate telephone to your machine as shown in the diagram below.



- 1 Extension telephone
- 2 External telephone



Make sure you use an external telephone with a cable no more than three metres long.



Related Information

- [External and Extension Telephones](#)

Operation from External and Extension Telephones

If you answer a fax call at an extension or an external telephone, you can make your machine take the call by using the Remote Activation Code. When you press the Remote Activation Code ***51**, the machine starts to receive the fax.

If the machine answers a voice call and pseudo/double-rings for you to take over, you can take the call at an extension telephone by pressing the Remote Deactivation Code **#51**.

If you answer a call and no one is on the line:

You are receiving a manual fax.

Press ***51** and wait for the chirp or until the LCD displays [Receiving], and then hang up.



You can also use the Fax Detect feature to make your machine automatically take the call.



Related Information

- [External and Extension Telephones](#)

Use Extension Telephones

Your premises may already be wired with parallel extension telephones, or you may plan to add extension telephones to your line, as well as your machine. While the simplest arrangement is a straightforward parallel connection, there are some problems with this. The most obvious is inadvertent interruption of a fax transmission caused by someone picking up an extension telephone to make an outgoing call. Also, the remote activation code feature may not operate reliably in such a simple configuration.

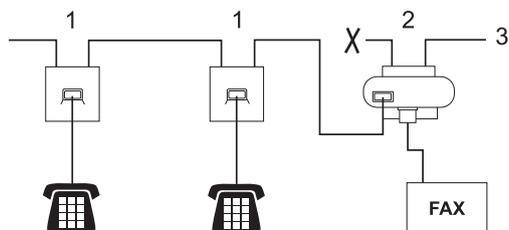
This machine may also be set to make a delayed transmission (a transmission at a preset time). This preset job may coincide with someone picking up an extension handset.

These problems can be eliminated, if you arrange modification of your extension wiring circuit, such that extension devices are connected “downstream” of your machine in a master/slave configuration (see Figure 1). In this configuration the machine can always detect whether a telephone is in use. Thus it will not attempt to use the line during that time. This is known as “telephone off-hook detection.”

The inadvisable configuration is shown in figure 2, and the recommended master/slave configuration is shown in figure 1.

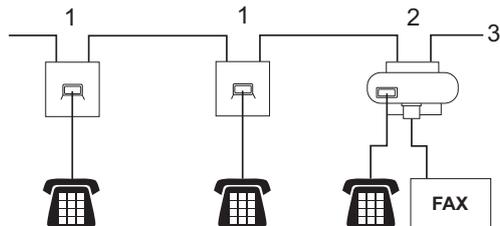
This new connection configuration can be arranged by contacting BT, Kingston upon Hull Telecommunications, your PBX maintainer, or a qualified telephone installation company. The extension telephone circuit should be terminated on a normal modular plug (BT 431A style), which in turn should be put into the modular socket of the white “T”-shaped connector provided as part of the line cord assembly.

Connection of Extension Sockets: Recommended (Figure 1)



1. Extension socket
2. Master socket
3. Incoming line

Connection of Extension Sockets: Not Recommended (Figure 2)



1. Extension socket
2. Master socket
3. Incoming line

The fax machine must be plugged into the master socket.



These telephones are now connected as external devices, because they are connected to the machine via the T-connector.

✓ Related Information

- [External and Extension Telephones](#)

If You Use a Non-Brother Cordless External Handset

If your non-Brother cordless telephone is connected to the telephone line cord and you typically carry the cordless handset elsewhere, it is easier to answer calls during the Ring Delay.

If you let the machine answer first, you must go to the machine so you can press [Pickup] or **Tei/R** to transfer the call to the cordless handset.



Related Information

- [External and Extension Telephones](#)

Use the Remote Codes

Remote Activation Code

If you answer a fax call on an extension or external telephone, you can tell your machine to receive it by pressing the Remote Activation Code *51. Wait for the chirping sounds then replace the handset.

If you answer a fax call at the external telephone, you can make the machine receive the fax by pressing the Start button and then selecting the option to receive.

Remote Deactivation Code (Not available in Germany)

If you receive a voice call and the machine is in F/T mode, it will start to sound the F/T ring (pseudo/double-ring) after the initial Ring Delay. If you pick up the call on an extension telephone you can turn the F/T ring off by pressing #51 (make sure you press this between the rings).

If the machine answers a voice call and pseudo/double-rings for you to take over, you can take the call at the external telephone by pressing [Pickup].



Related Information

- [External and Extension Telephones](#)

Multi-line Connections (PBX)

We suggest you ask the company that installed your PBX to connect your machine. If you have a multi-line system we suggest you ask the installer to connect the unit to the last line on the system. This prevents the machine from being activated each time the system receives telephone calls. If all incoming calls are answered by a switchboard operator, we recommend setting the Receive Mode to [Manual].

We cannot guarantee that your machine will operate correctly under all circumstances when connected to a PBX. Any difficulties with sending or receiving faxes should be reported first to the company that handles your PBX.

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