

# MOBILE PHONE ENCRYPTION

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## **iOS: Data Encryption**

Data protection is available for devices that offer hardware encryption, including iPhone 3GS and later, all iPad models, and iPod touch (3rd generation and later). Data protection enhances the built-in hardware encryption by protecting the hardware encryption keys with your passcode. This provides an additional layer of protection for your email messages attachments, and third-party applications.

Enable data protection by configuring a passcode for your device:

1. Tap **Settings > General > Passcode**.
2. Follow the prompts to create a passcode.
3. After the passcode is set, scroll down to the bottom of the screen and verify that "Data protection is enabled" is visible.

## **Passcode tips**

Use these passcode settings to maximize passcode security:

- Set Require Passcode to Immediately.
- Disable Simple Passcode to use longer, alphanumeric passcodes.
- Enable Erase Data to automatically erase the device after ten failed passcode attempts.

## **Android: Data Encryption**

**Important:** Since Android phone screen options can vary between version and phone manufacturer the screens and menus can look slightly different.

Before you encrypt your device, prepare as follows:

1. Set a lock screen PIN, pattern, or password.
2. Plug your device into the charger.
3. Schedule an hour or more for the encryption process. If you interrupt the process, you will lose some or all of your data.

Encrypt your device running Android 4.4 or lower

When you're ready to turn on encryption, follow these steps:

1. Open the Settings menu on your device.
2. Under "Personal," touch **Security**.
3. Under "Encryption," touch **Encrypt tablet** or **Encrypt phone**.
4. Read the information about encryption carefully.

The "Encrypt tablet" or "Encrypt phone" button will be dimmed if your battery's not charged or your device is not plugged in. If you change your mind about encrypting your device, touch Back.

5. Touch **Encrypt tablet** or **Encrypt phone**. **Warning:** If you interrupt the encryption process before it's completed, you will lose some or all of your data.
6. Enter your lock screen PIN, pattern, or password and touch **Continue**.
7. Touch **Encrypt tablet** or **Encrypt phone** again.

The encryption process will start and display its progress. Encryption can take an hour or more. Your device may restart several times.

When the encryption process is complete, you'll be prompted to enter your PIN, pattern, or password. After you encrypt your device, you'll have to enter your PIN, pattern, or password each time you power on your device.

Turn on encryption with screen lock for devices running Android 5.0 or higher

To add additional data protection for your encrypted device, follow these steps:

1. Open the Settings menu on your device
2. Under "Personal," touch **Security**.
3. Under "Screen security," touch **Screen lock**.
4. Choose Pattern, PIN, or Password as your screen lock.

5. You'll be prompted to add additional data protection to your device by requiring this PIN, pattern, or password when your device starts up. By default, this setting is turned on.
6. Set your PIN, pattern, or password and touch **Continue**.