Instructions for installing Android apps on SD card

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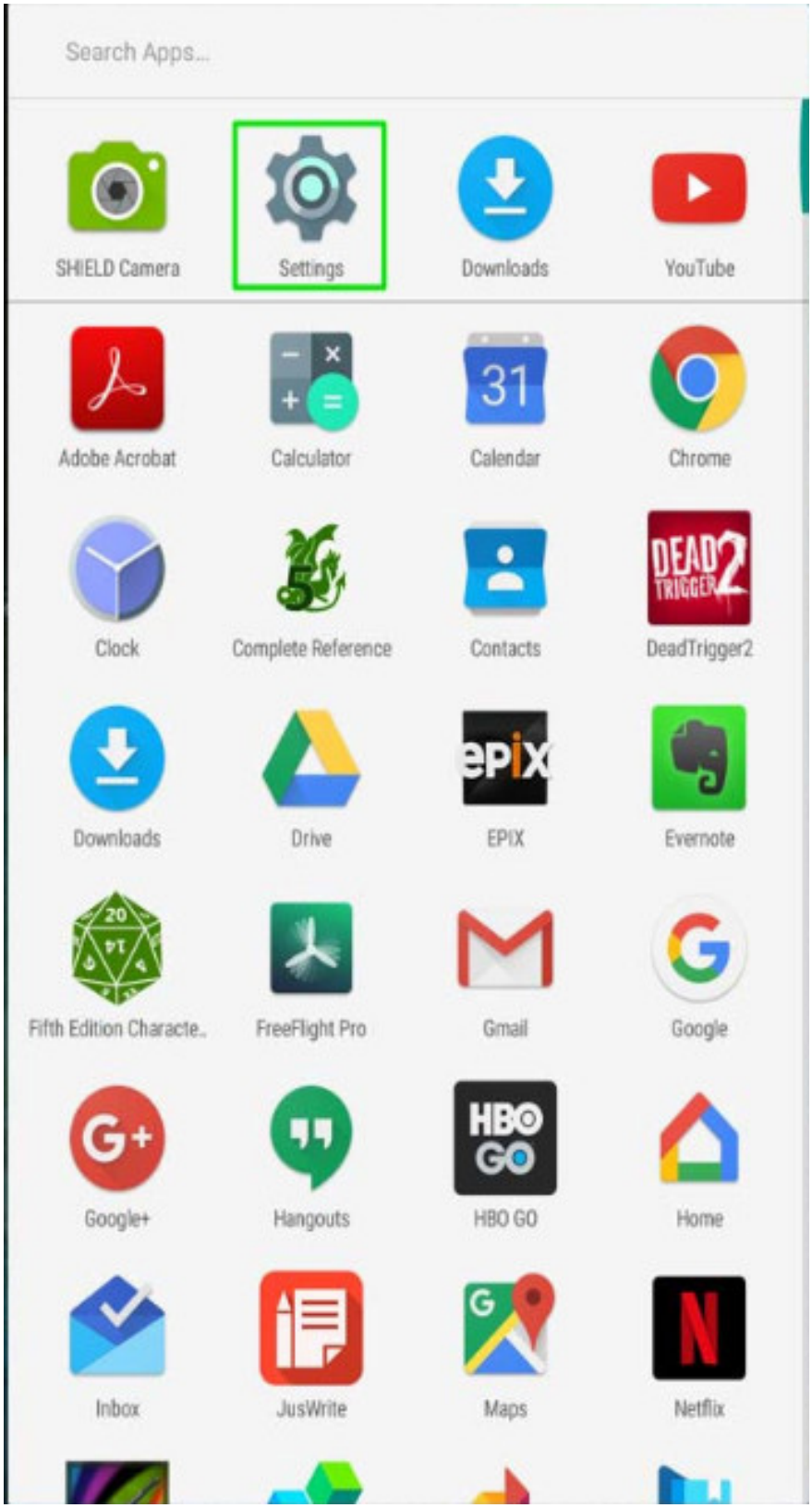
TipsMake.com - By default, the Android app gets into internal memory, but if your phone has a low memory capacity, you can use the memory card to install the application. Here are some methods to do that.

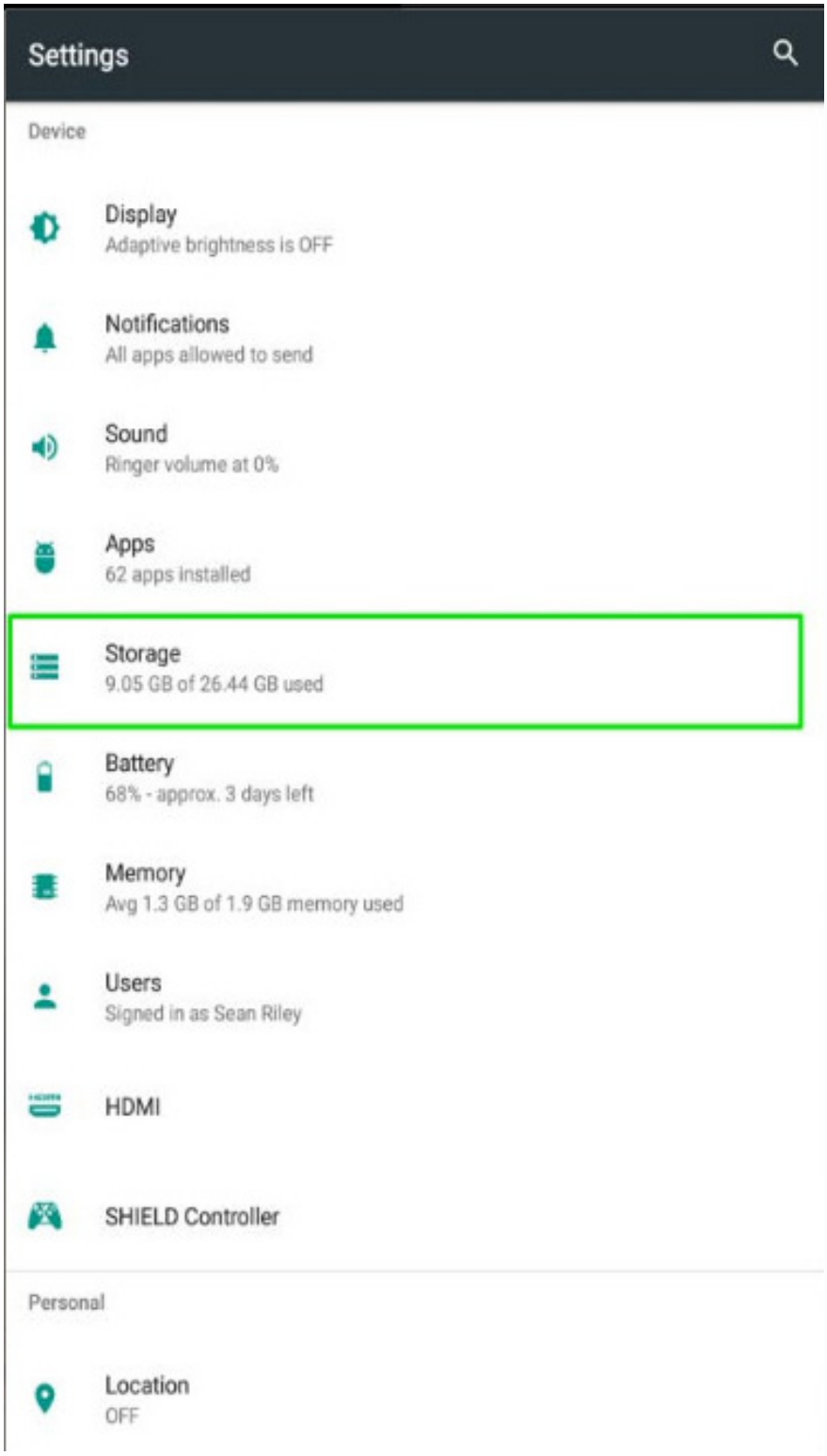
This method requires Android 2.2 operating system or newer. There are several different ways to do this, depending on the version of Android the device is running and the application you install. Android 6.0 Marshmallow allows accepting SD card as internal memory, automatically installs allowed applications on SD card. But not all devices support this, if you want more flexibility, you need to root your Android phone, then install Link2SD application to install the application on the memory card.

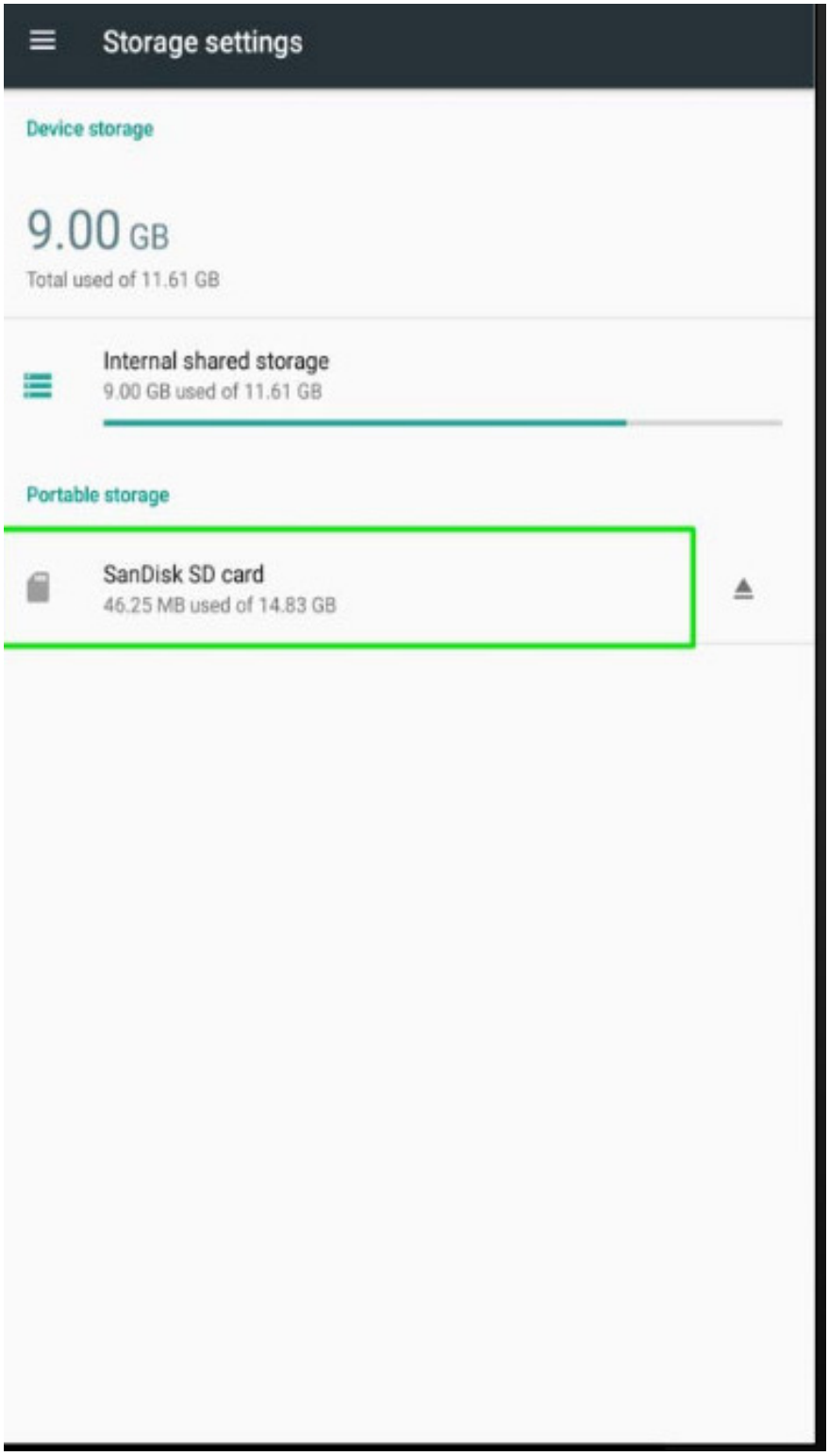
Use SD card as internal memory

On some Android devices there are features called Adoptable or Flex Storage, first introduced on Android 6.0 Marshmallow, which allows you to format the SD memory card to use as the internal device of the phone. To do this, you do the following:

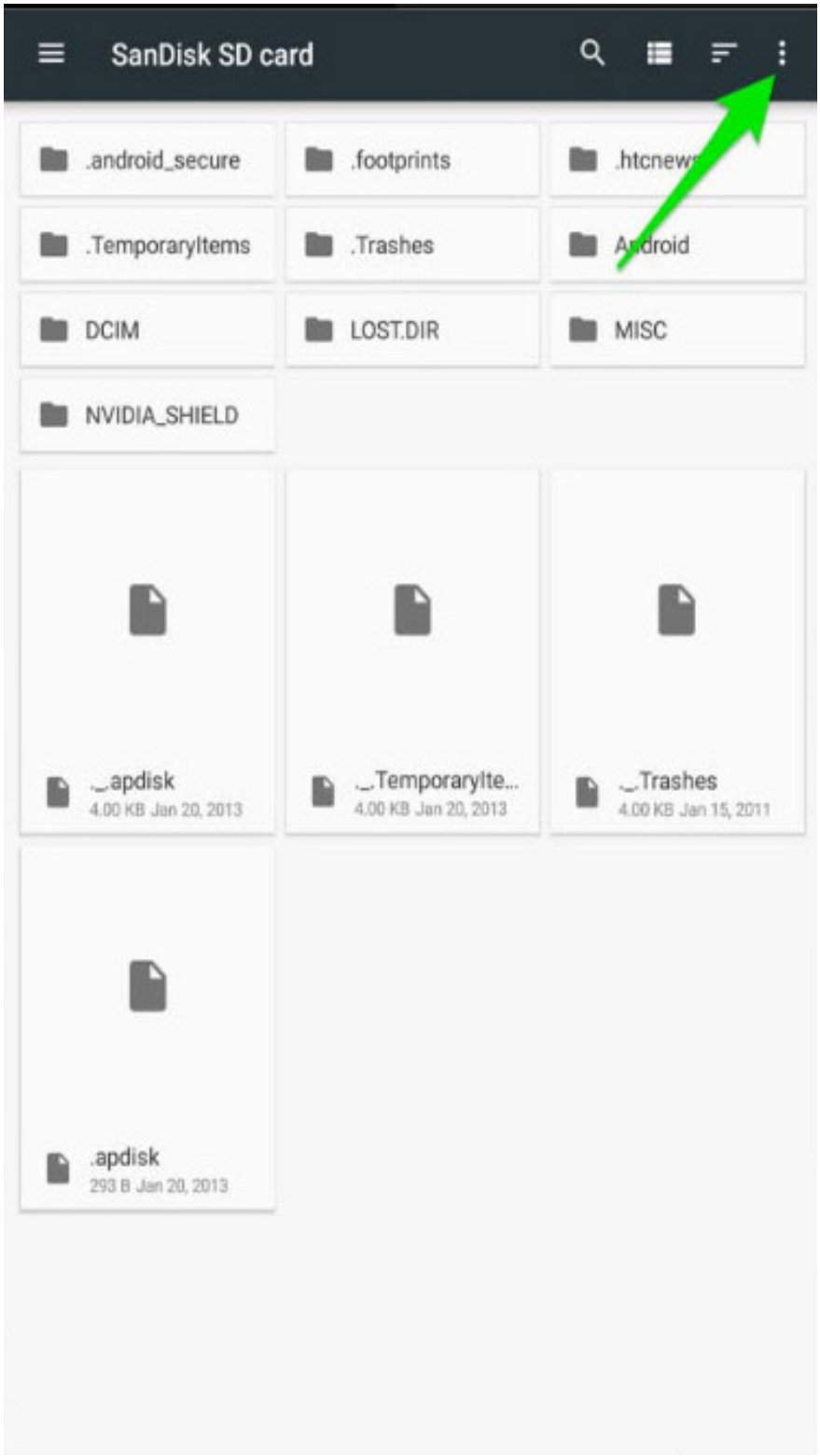
Open **Settings / Settings** on the phone> click **Storage / Storage** > select **microSD** card. On newer Android you can access this option in your **File** > **SD memory card** .


Search Apps...
SHIELD Camera
Settings
Downloads
YouTube
Adobe Acrobat
Calculator
Calendar
Chrome
Clock
Complete Reference
Contacts
DeadTrigger2
Downloads
Drive
EPIX
Evernote
Fifth Edition Characte..
FreeFlight Pro
Gmail
Google
Google+
Hangouts
HBO GO
Home
Inbox
JusWrite
Maps
Netflix


Settings
Device
Display
Adaptive brightness is OFF
Notifications
All apps allowed to send
Sound
Ringer volume at 0%
Apps
62 apps installed
Storage
9.05 GB of 26.44 GB used
Battery
68% - approx. 3 days left
Memory
Avg 1.3 GB of 1.9 GB memory used
Users
Signed in as Sean Riley
HDMI
SHIELD Controller
Personal
Location
OFF



Click the **?** icon in the upper right corner> **Storage / Storage Settings** > **Format as Internal / Format as memory in** > **Erase & Format / Delete** and format. If the system recognizes that your memory card is too slow, it will warn you that this setting will reduce performance.


SanDisk SD card
.android_secure
.footprints
.htcnews
.TemporaryItems
.Trashes
Android
DCIM
LOST.DIR
MISC
NVIDIA_SHIELD
._.apdisk
4.00 KB Jan 20, 2013
._.TemporaryIte...
4.00 KB Jan 20, 2013
._.Trashes
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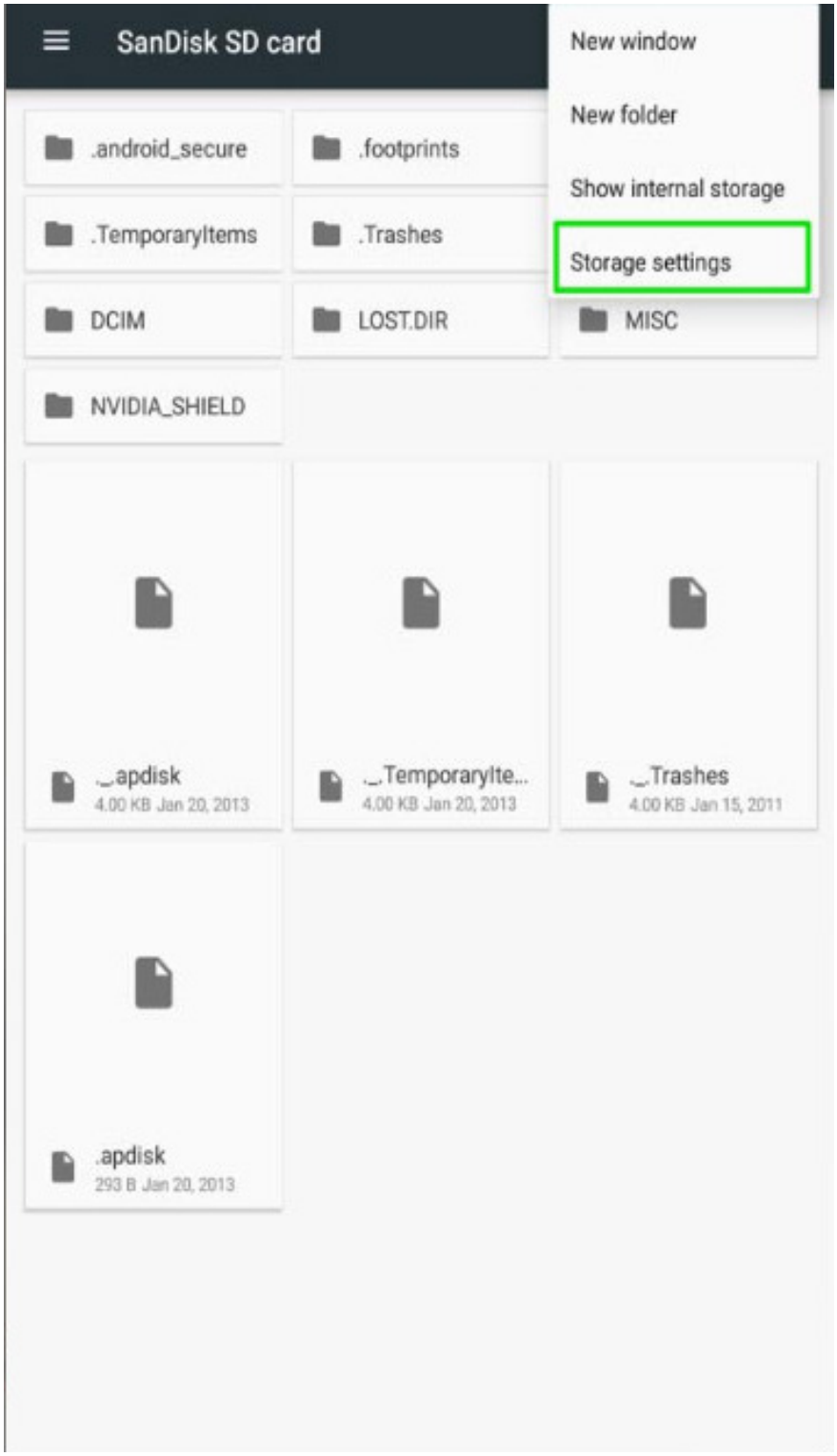
.apdisk
293 B Jan 20, 2013


SanDisk SD card
New window
New folder
Show internal storage
Storage settings
.android_secure
.footprints
.TemporaryItems
.Trashes
DCIM
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NVIDIA_SHIELD
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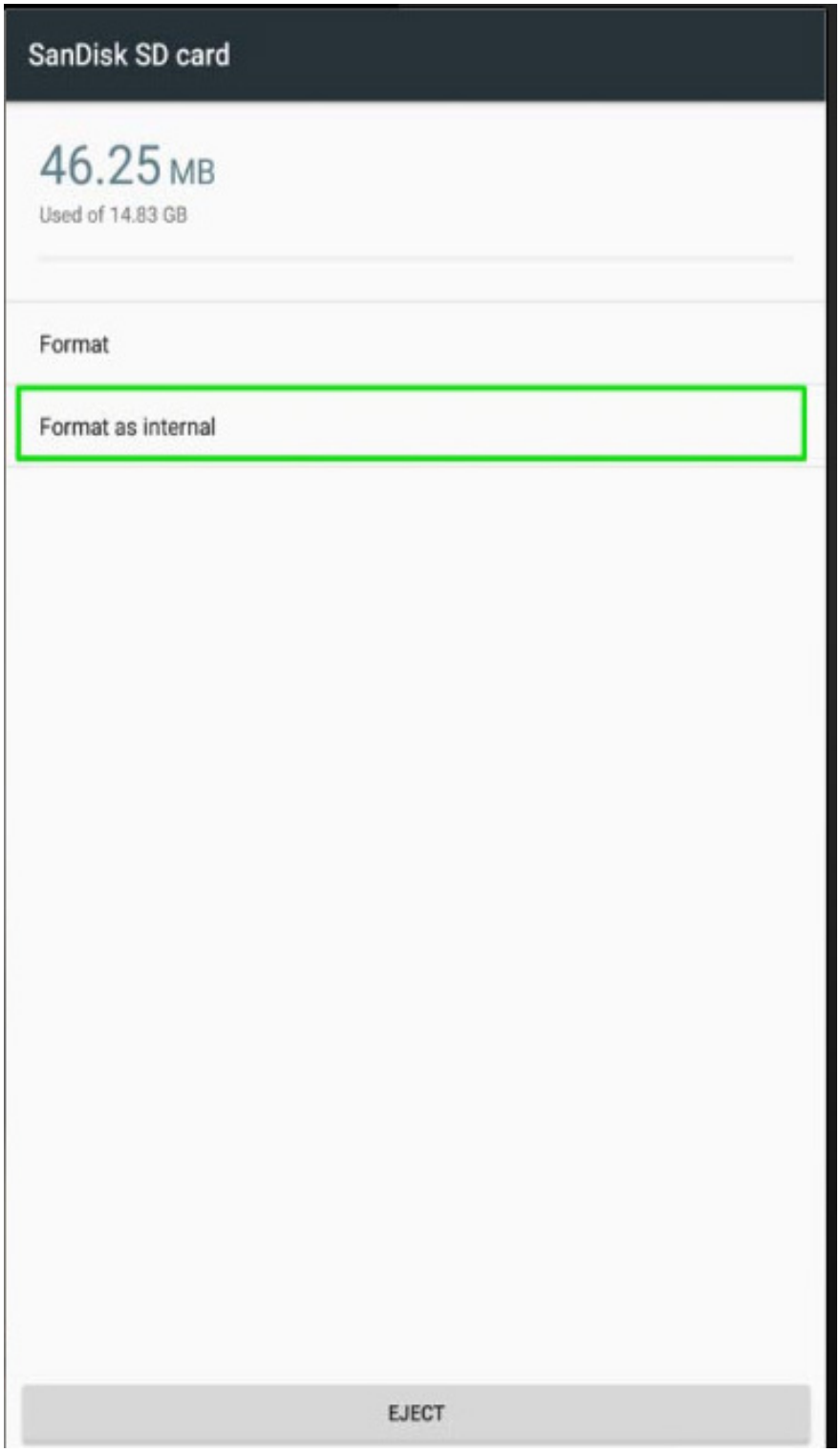
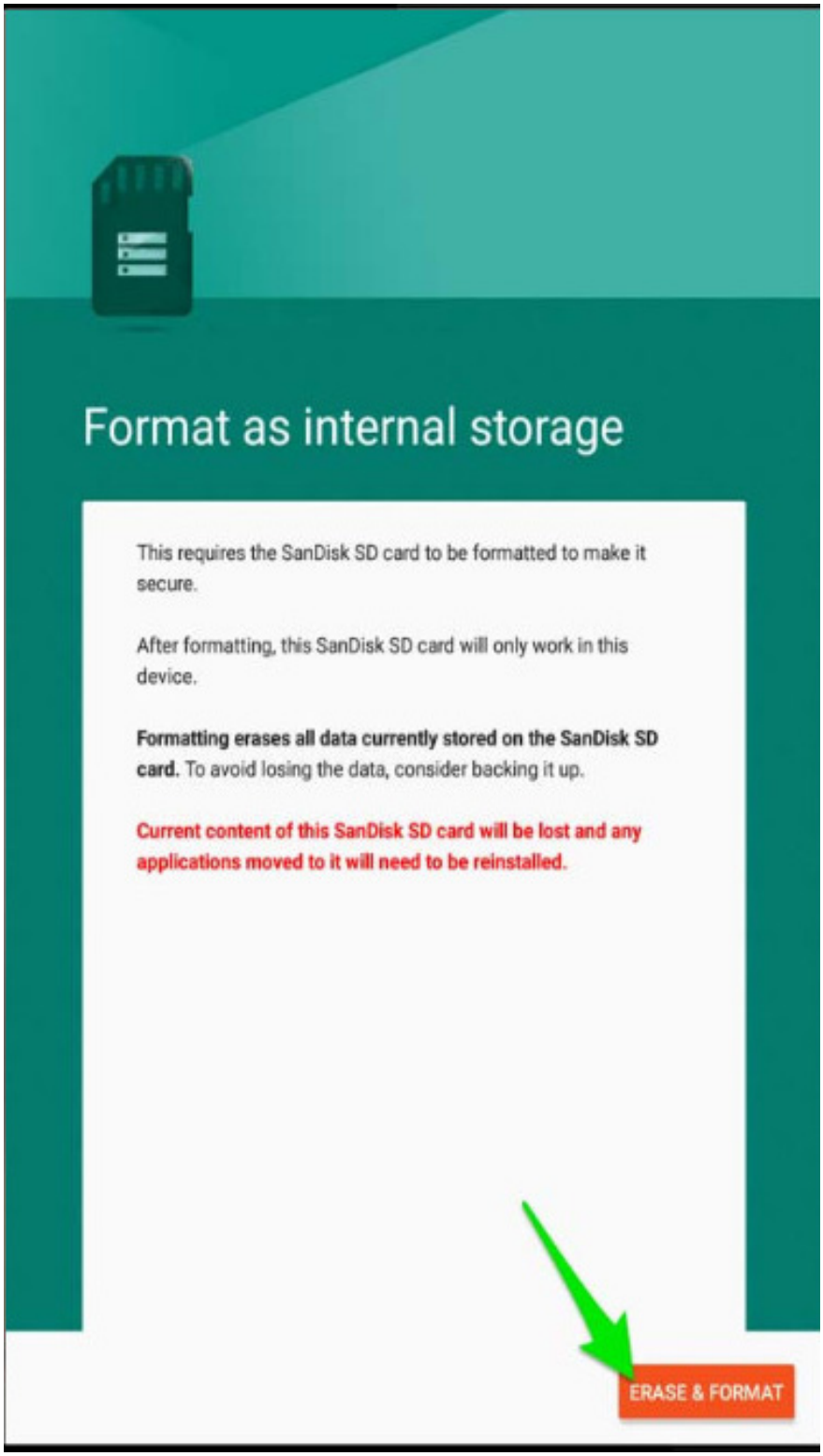
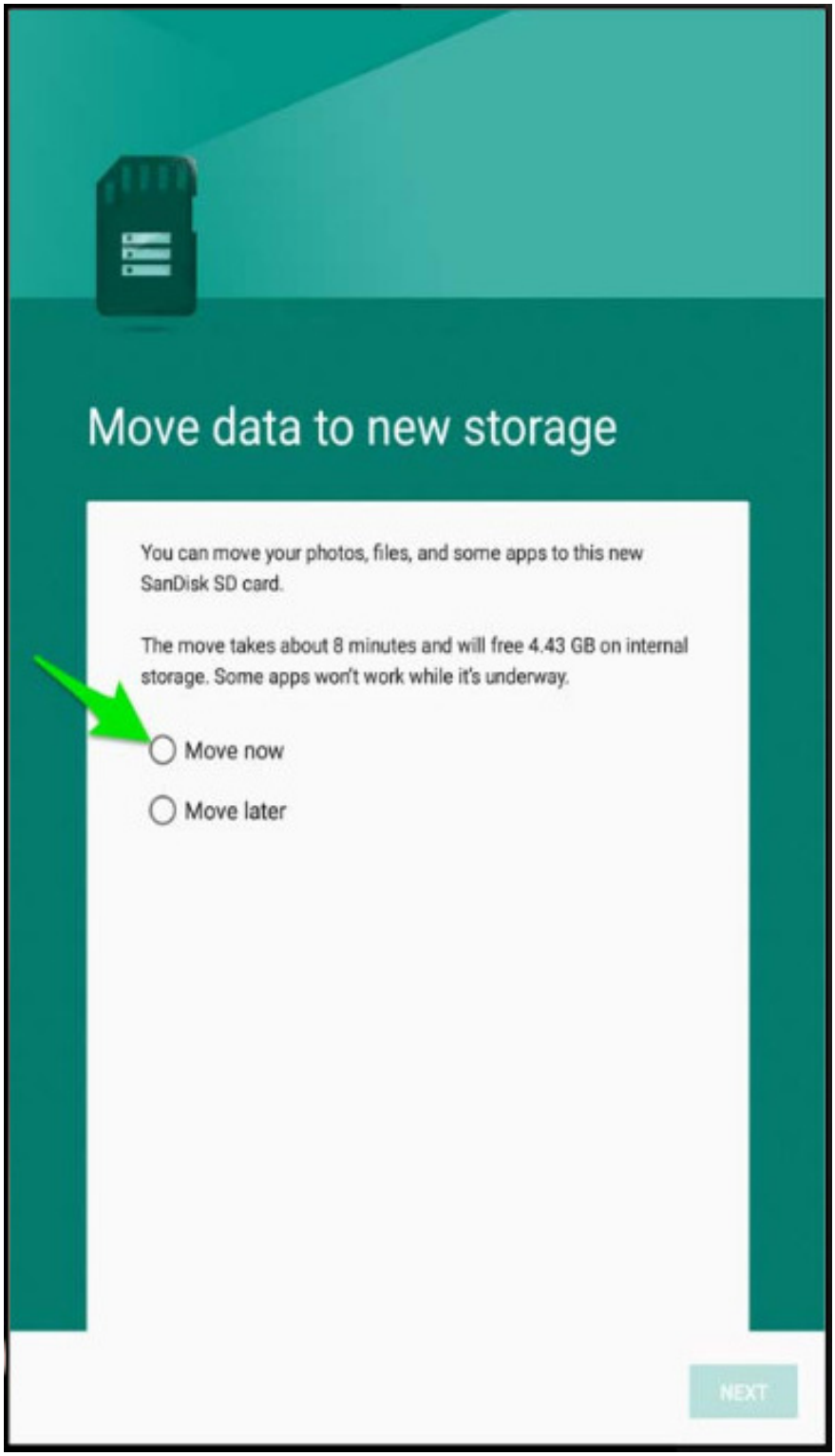
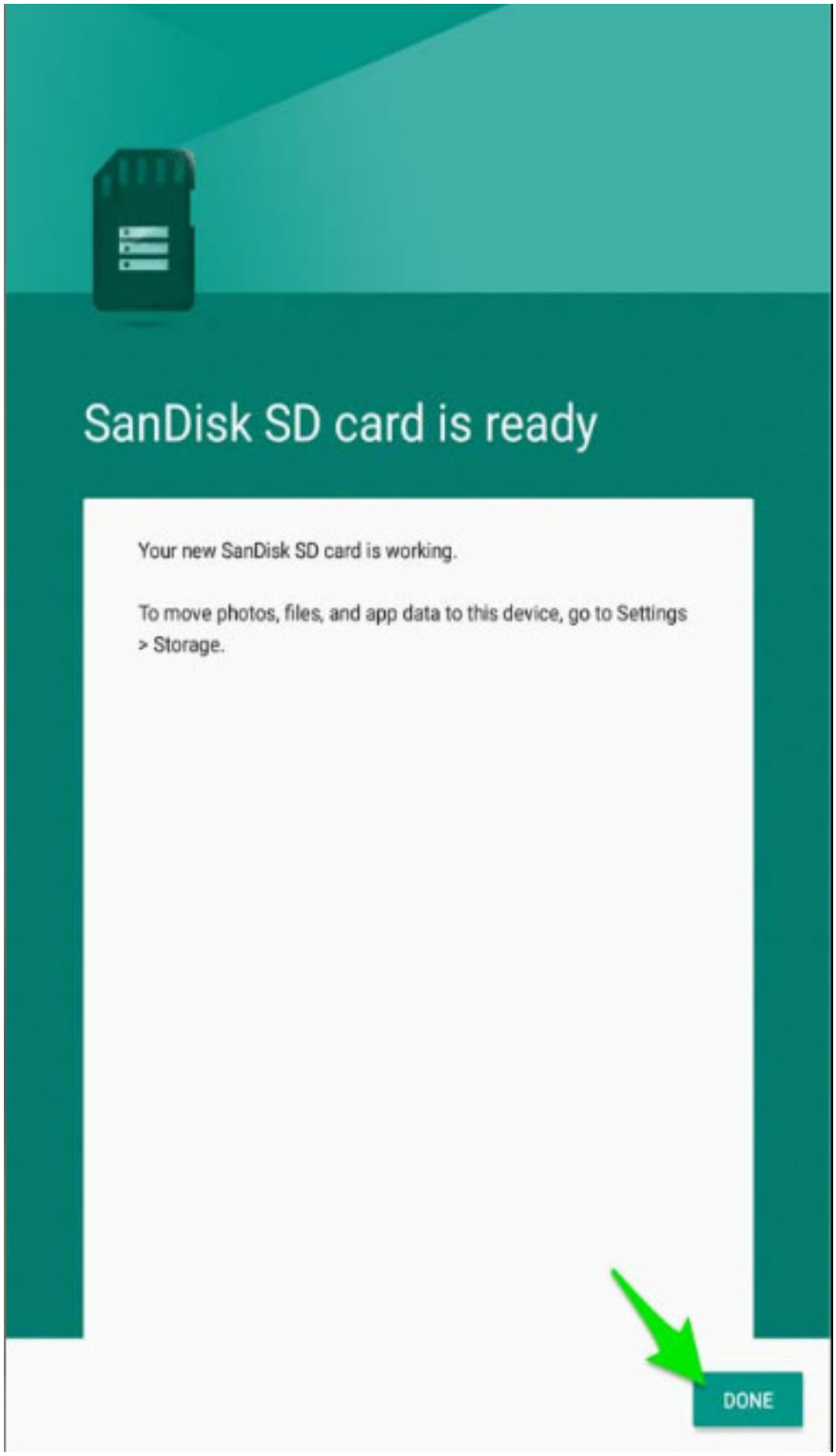
4.00 KB Jan 15, 2011
.apdisk
293 B Jan 20, 2013



Select **Move now / Move** . After making a selection, click **Next** and start switching to SD memory card. The system will tell how long the transfer time will take and how much data can be transferred to the SD card. Click **Done** . Your SD memory card will be listed below the internal memory and from now on the system will use it as internal memory and you can install the application on it.


Format as internal storage
This requires the SanDisk SD card to be formatted to make it secure.
After formatting, this SanDisk SD card will only work in this device.
Formatting erases all data currently stored on the SanDisk SD card. To avoid losing the data, consider backing it up.
Current content of this SanDisk SD card will be lost and any applications moved to it will need to be reinstalled.
ERASE & FORMAT


Move data to new storage
You can move your photos, files, and some apps to this new SanDisk SD card.
The move takes about 8 minutes and will free 4.43 GB on internal storage. Some apps won't work while it's underway.
Move now
Move later
NEXT



On some Android versions / devices you can move the application right in the application management section if you see the Move to SD Card option.

Transfer application to memory card on Android rooted

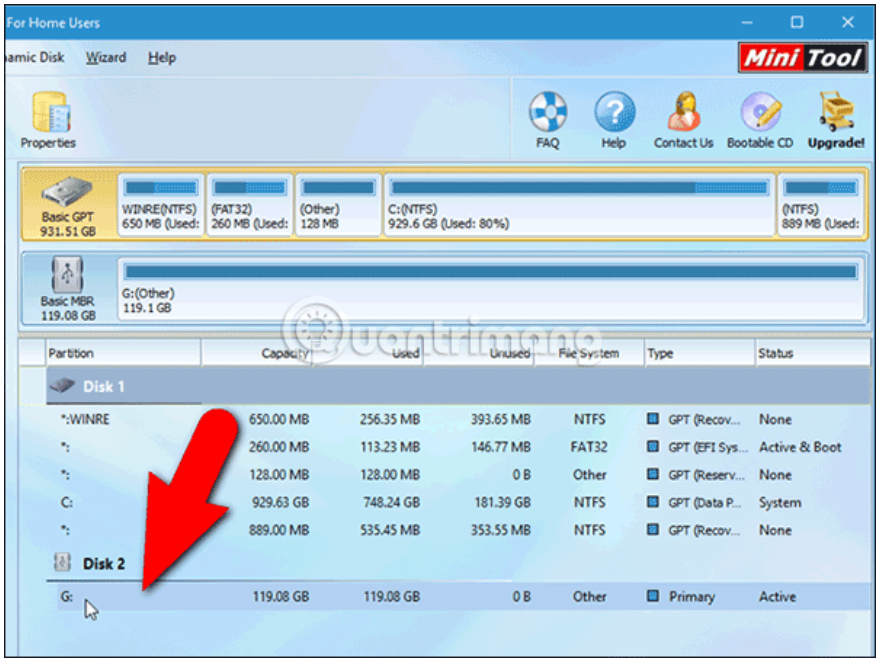
Not all devices and applications allow you to install the app on a memory card, even if Android supports the use of memory cards as main memory. If you want to transfer Android apps to a memory card, but these applications are not supported, it can still be done but must root Android first. If the device has been rooted, follow the instructions below, you will have less memory for your application.

1. SD card partition

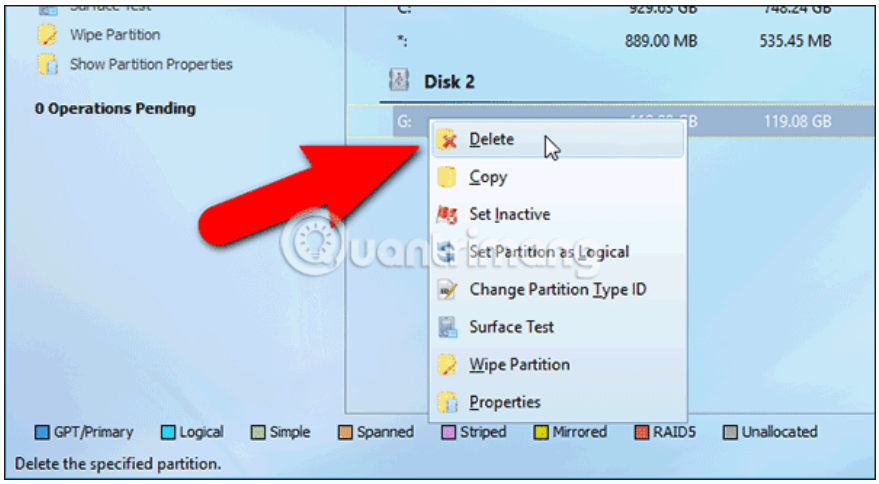
Back up all data in the memory card because partition will delete everything on the card. Turn off the Android phone, remove the memory card, insert the memory card into the SD card reader on the computer, copy the file to the computer. When the data has been backed up, we will partition the memory card.

Download the MiniTool Partition Wizard and install it on your computer, open the application and select **Launch Application** .

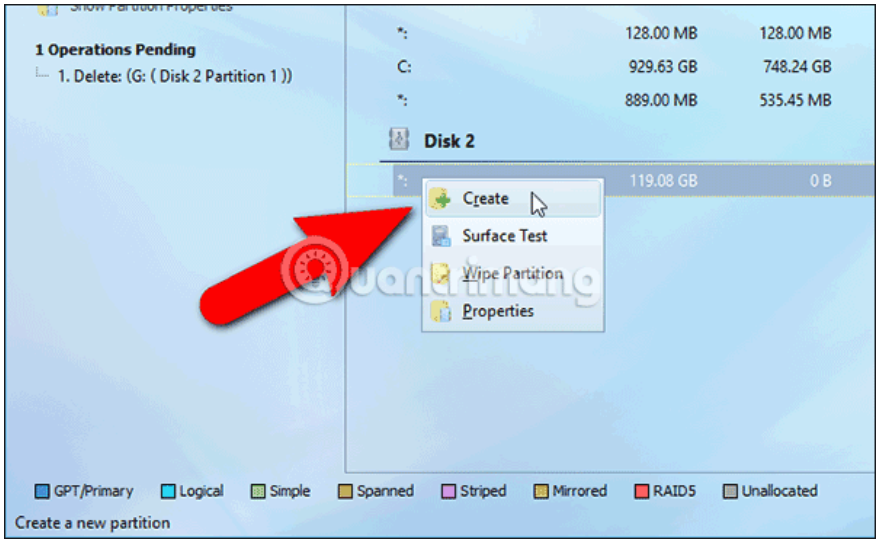
There are many drives listed in the software, the computer's hard drive will be listed first, followed by the SD card, in the picture is G. drive Select the drive for the SD drive. Here is Disk 2. Be careful when selecting the drive for the memory card if you do not want your other drives to be erased.



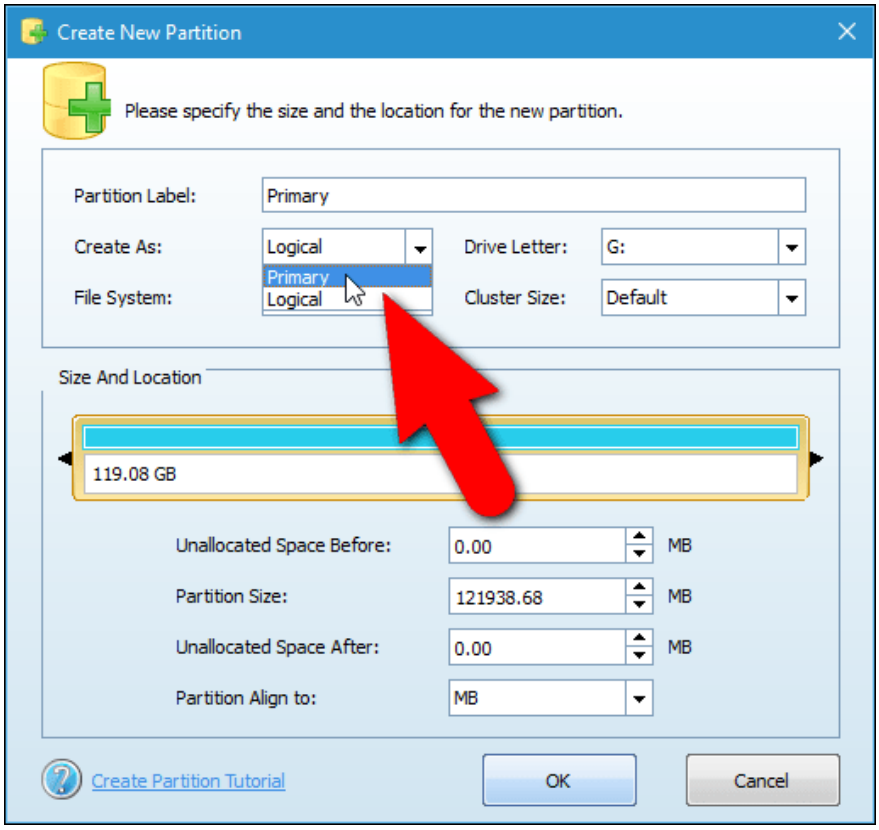
Next, delete the current partition on the SD card. Again you need to make sure all data is backed up. Right-click on the SD card partition (here is G) and select **Delete** in the menu that appears.



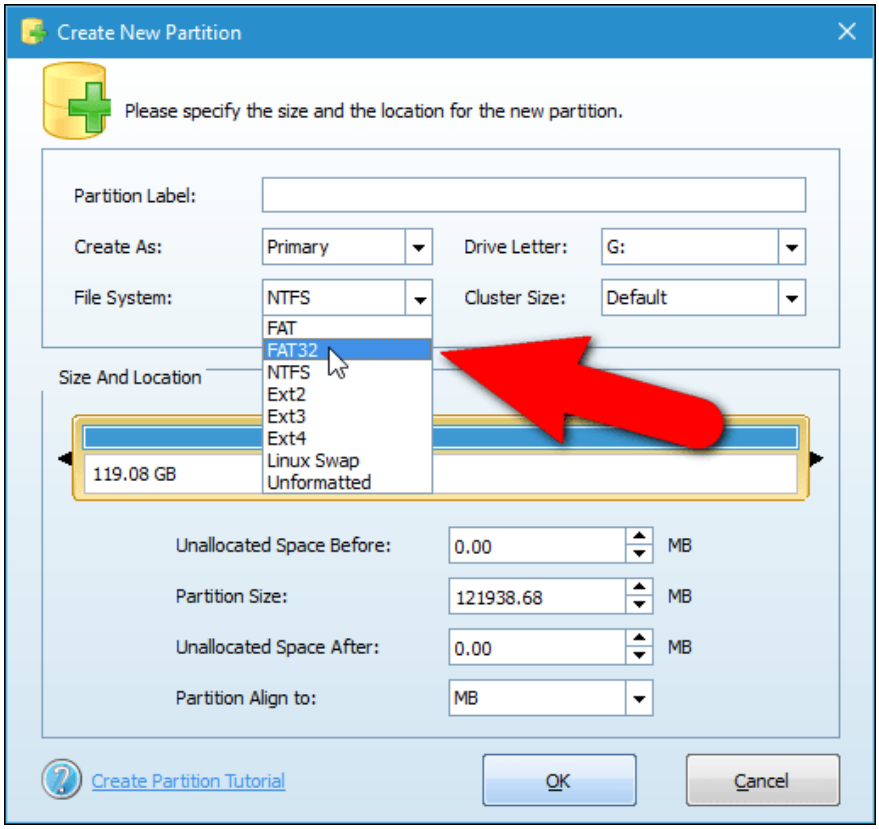
Now you will have the drive area for the Android device. The original partition is used for data. Right-click on the unallocated partition on the SD card and select **Create** from the menu that appears.



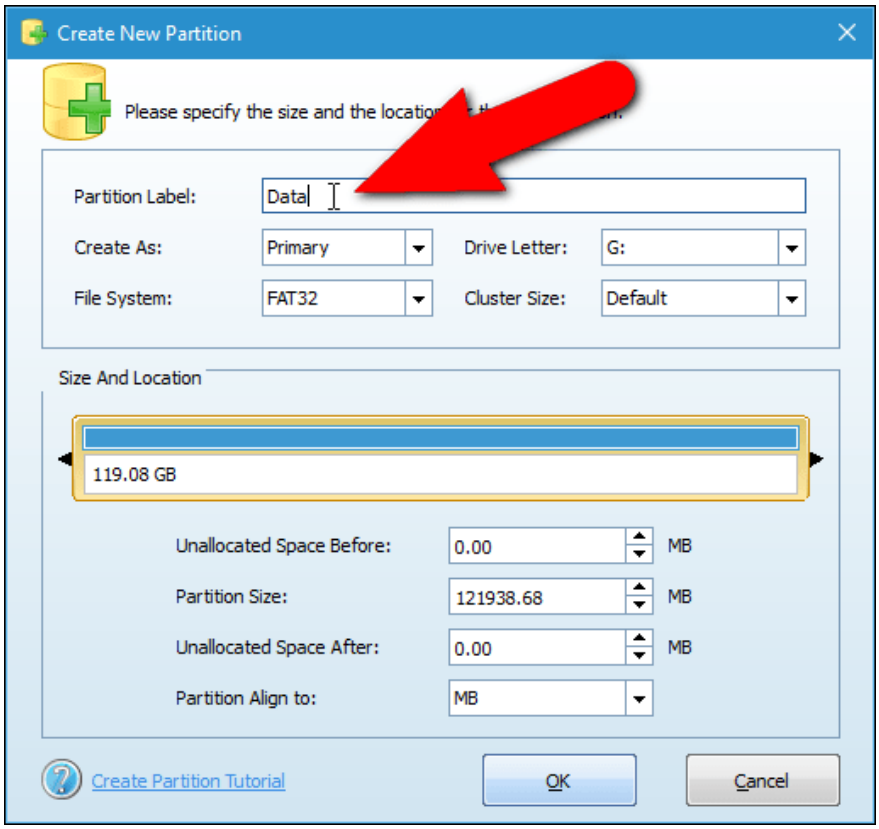
Creating partitions on SD cards to install applications on cards on Android phones will be different from partitioning drives on a PC. To do this, you must define all partitions on the memory card as **Primary** . In the **Create New Partition** dialog box> **Create As** section> select **Primary** .



Next, you define the file system type for the data partition. Select **FAT32** in the menu of **File System** .

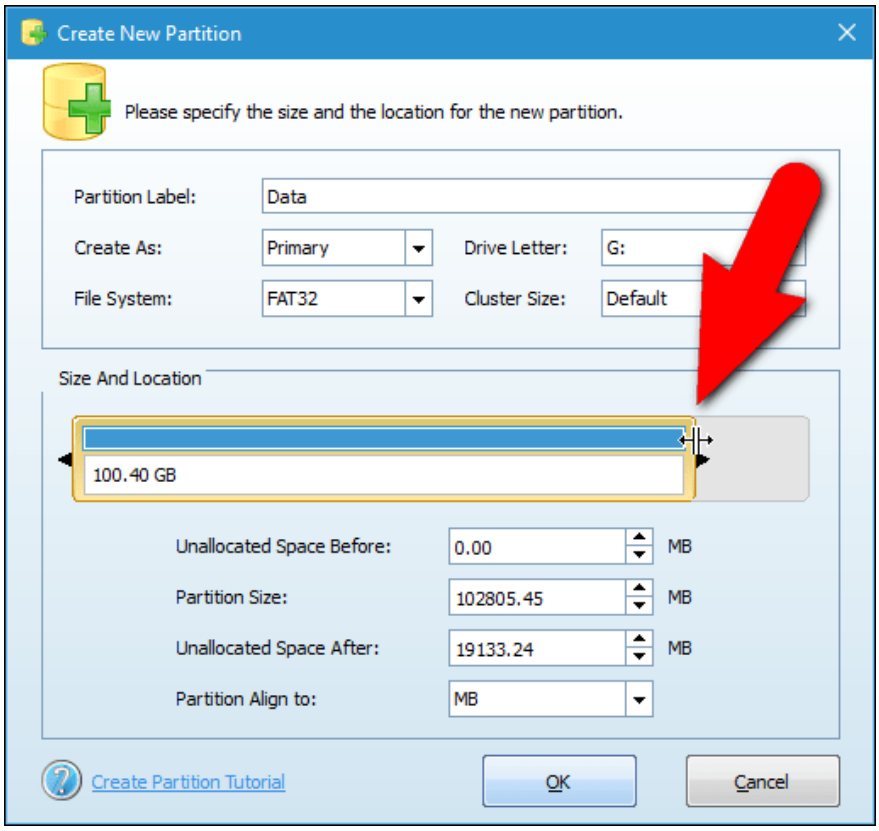


You can name the partition or not, here the partition is named Data.

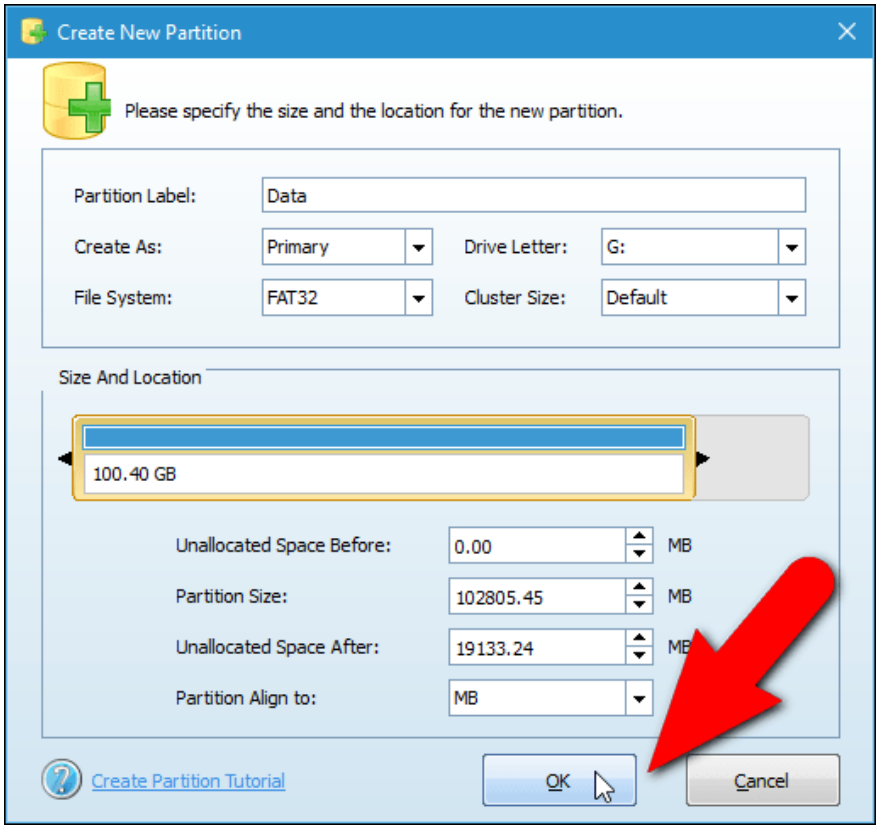


By default, the size of this partition is the full capacity of the memory card, we need to reduce it to make room for the partition for the application. Partitioning data needs to be larger than application partition. Assuming a 128GB card is used, it will use 100GB for the data area and the rest for the application partition.

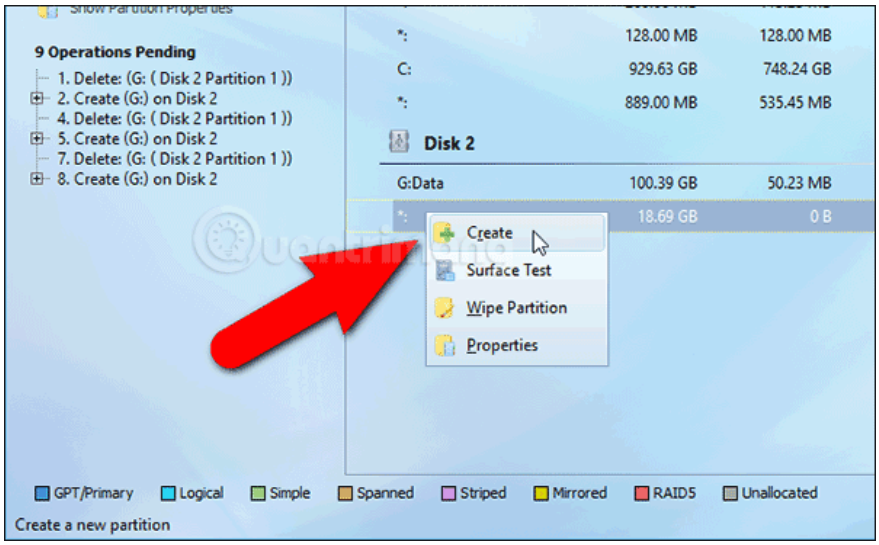
To change the partition size, move the cursor over the right edge of the yellow border in **Size and Location section** until it displays as a double line with 2 arrows as shown, you click and hold the yellow border drag it left until the approximate size for your partition is reached.



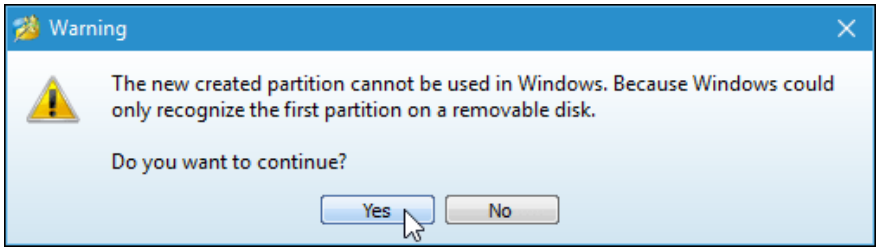
After completing click **OK** .



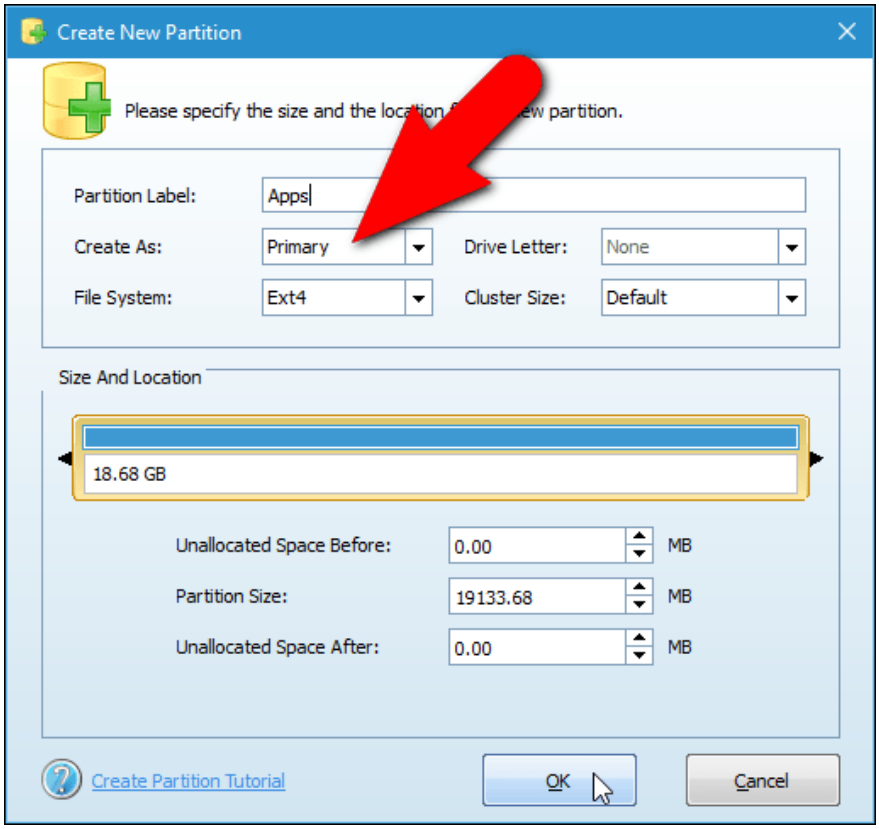
The remaining memory card section is listed below the Data area just created. Now, right click on it> select **Create** .



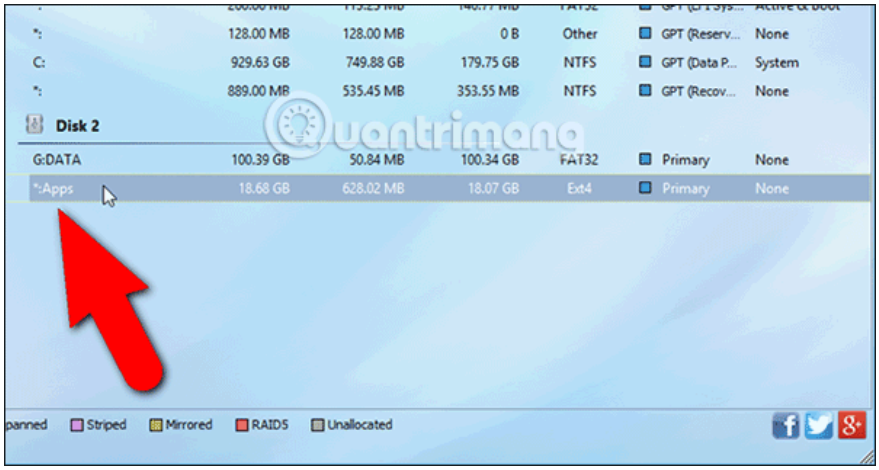
You will receive a warning that this partition does not work on Windows, shelves, click **Yes** .



In **Create As** > select **Primary** , in **File System** > select "Ext2" (if using stock ROM), "Ext3", or "Ext4". You can change the File System type again if the initial selection type does not work. Name the partition> OK. If you do not change the size of the partition, the entire remaining capacity of the memory card will automatically be used for the second partition.

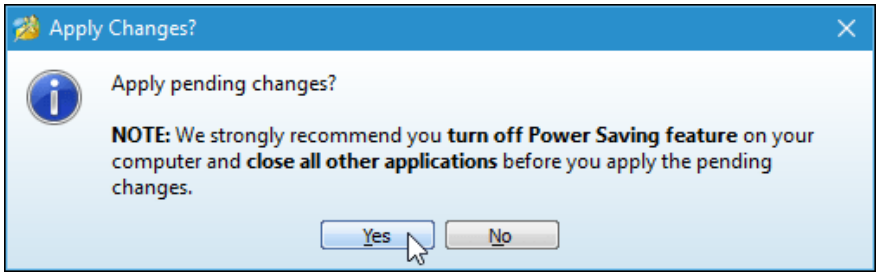


The second partition is listed below the first Data partition.

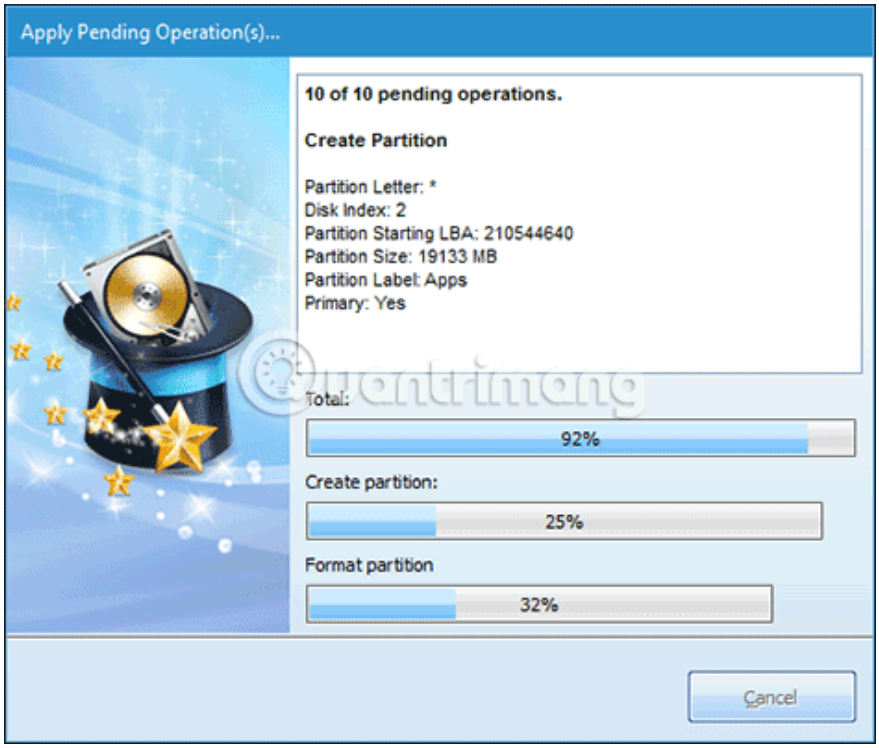


To complete the partitioning, click **Apply** as shown.

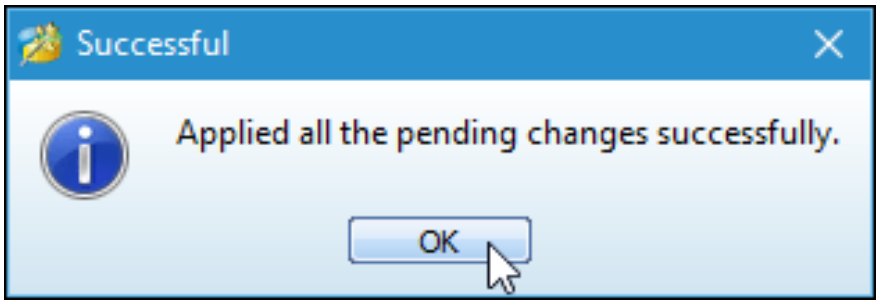
The dialog box appears to ask you to confirm the changes, click **Yes** .



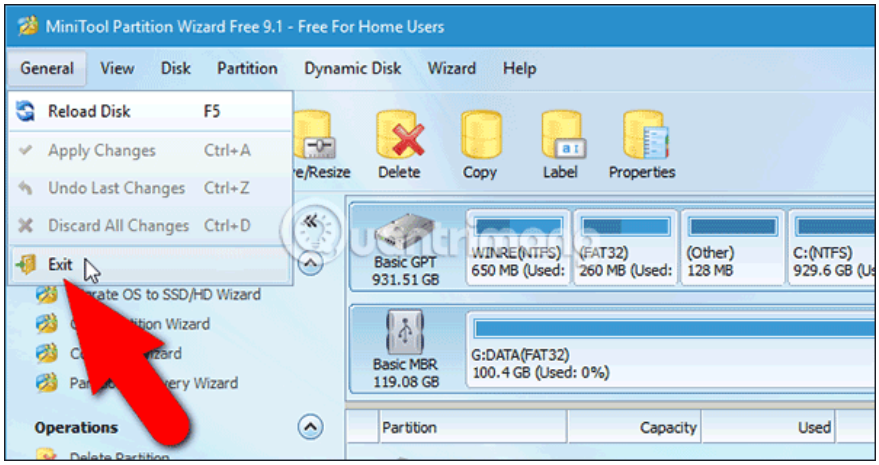
The **Apply Pending Operation** dialog **(s) .** next displays the partitioning process.



The **Successful** dialog box appears when all changes are successfully executed.



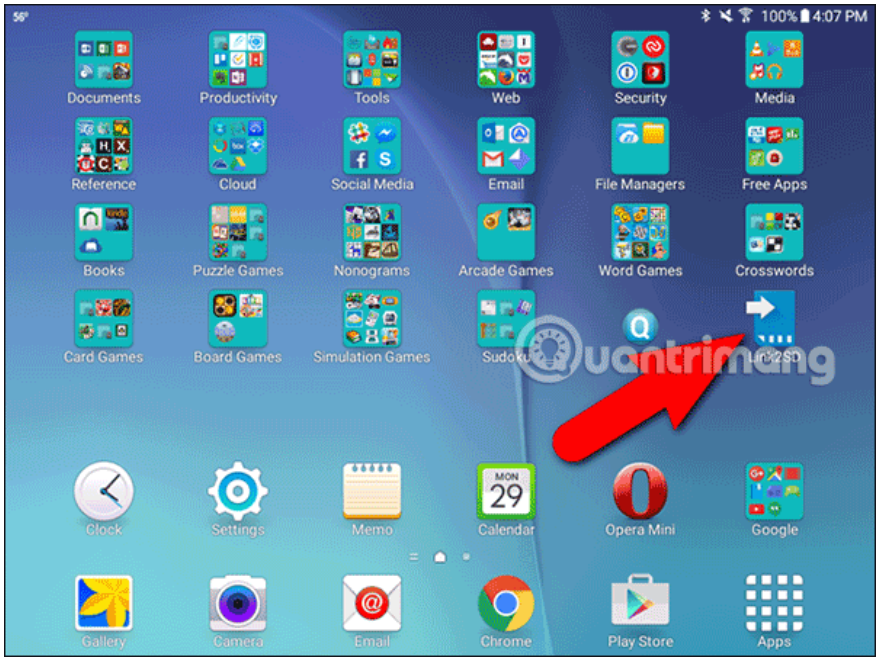
Select **Exit** from the **General** menu to close MiniTool.

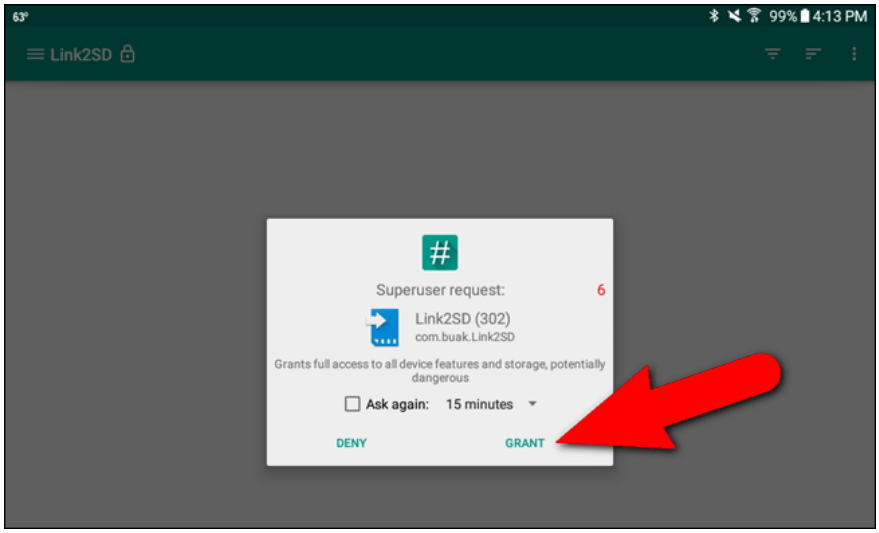


Before removing the memory card from the computer, you can copy the file saved on the computer to the memory card again. Windows will only see the Data partition, so you don't need to worry.

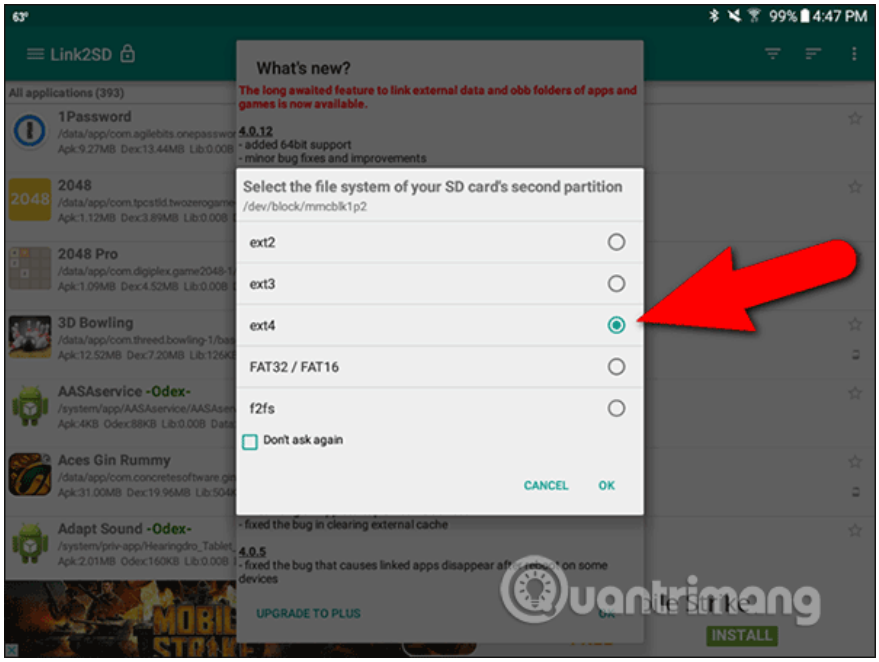
2. Download and install Link2SD

Insert the memory card into the phone and start the phone. Download Link2SD and install on the phone. If **SuperSU** is installed on your computer, when you click Link2SD you will see a dialog box asking for full access to Link2SD> click **Grant** .

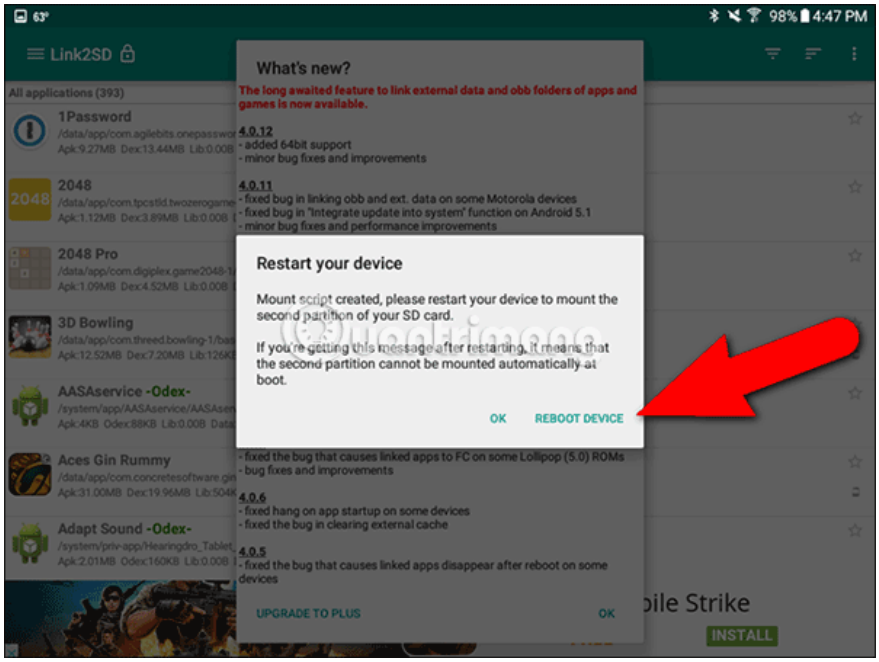




The following dialog box displays when you first open Link2SD, asking you to select the file system used on the 2nd partition of the memory card. You choose the correct ext2, ext3 or ext4 selected when partitioning on your computer. In this example is ext4> and click **OK** .



If everything works, you'll see the **Restart your device** dialog box> select **Reboot Device** .



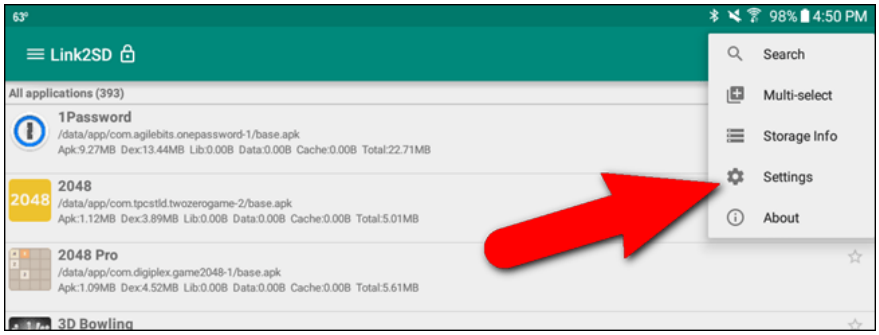
If you get an error message, the possibility is to choose the wrong file system when creating the 2nd partition. Uninstall Link2SD, turn off the power, remove the memory card, and repeat the above steps and use the MiniTool Partition Wizard to delete the partition. Second and recreate, select another file system that you have not selected at the beginning. Then install Link2SD and continue until you see the Reboot Device dialog box.

After restarting the phone, you open Link2SD, you will see the application list and some options at the top of the screen, so it was successful.

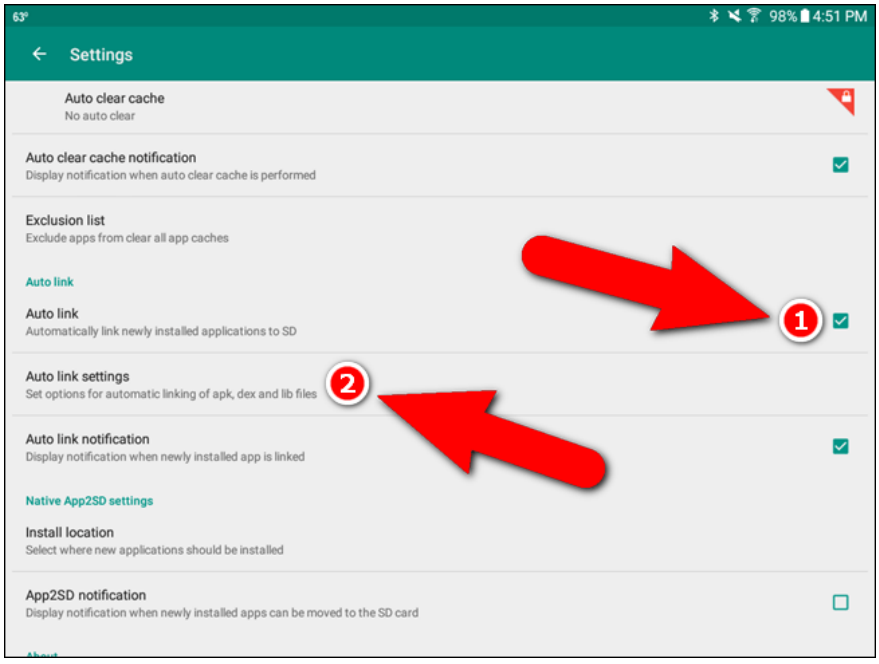
3. Change the location to install the default application

If you want to automatically install a new application to the SD card instead of the hard drive, click **?.**

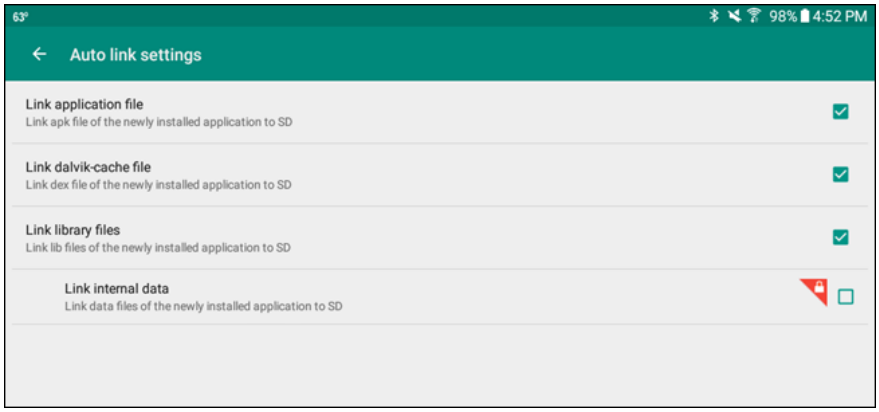
Select **Settings** in the menu that appears.



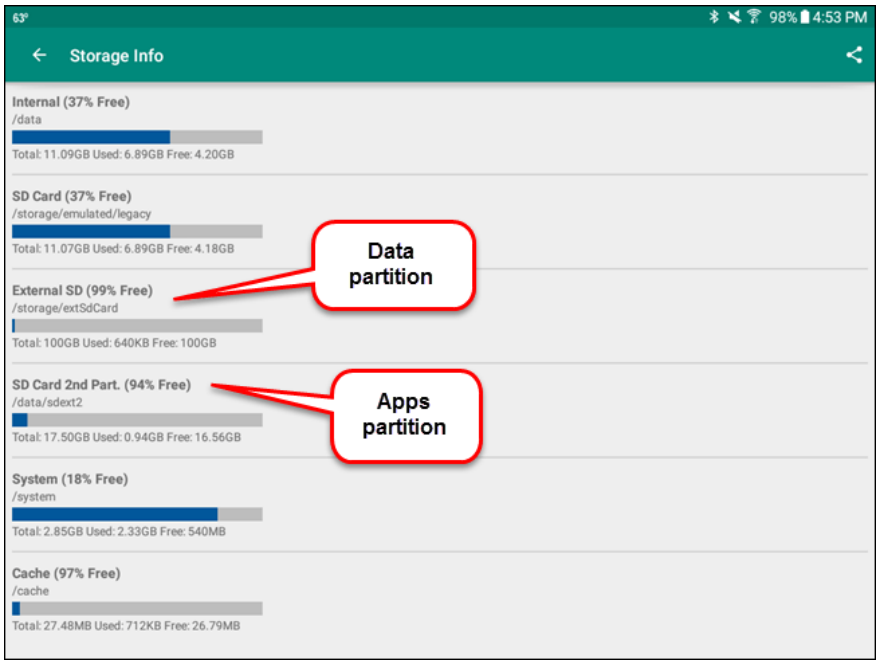
In **Auto link** > select **Auto link** and click **Auto link settings** .



Make sure the first 3 options are selected. The Link internal storage option cannot be turned on in the free Link2SD version, so the application's data files installed on the SD card are still stored on the internal memory. You need to buy a paid version ($ 2.35) to unlock this feature. Click ? at the top of the screen to return.



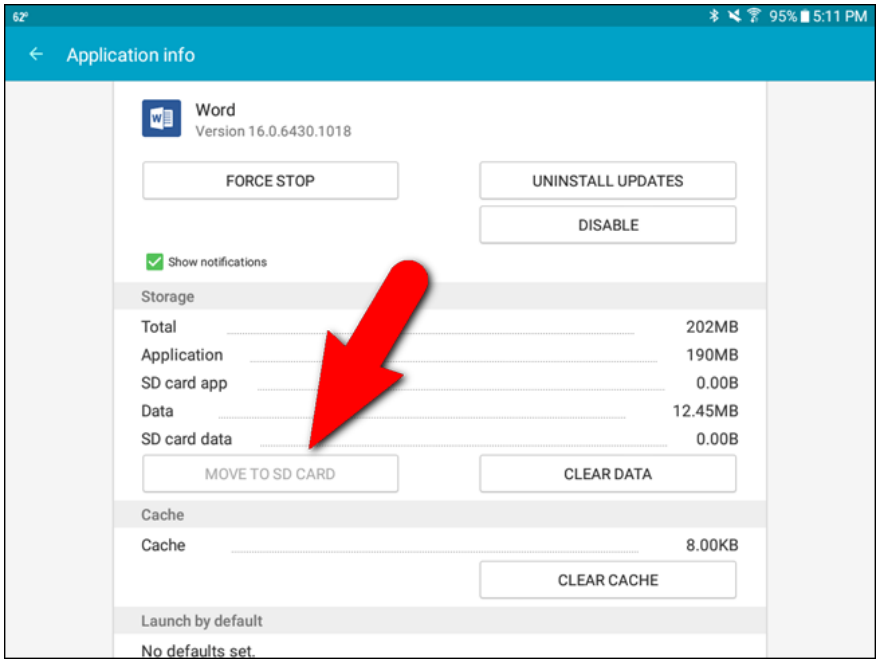
To see the internal memory and memory card you clicked **?** select **Storage Info** . **External SD** section is the data partition of the memory card, used to store files, music, movies. The **SD Card 2nd Part part** is the application partition, used to install the default application from now on.



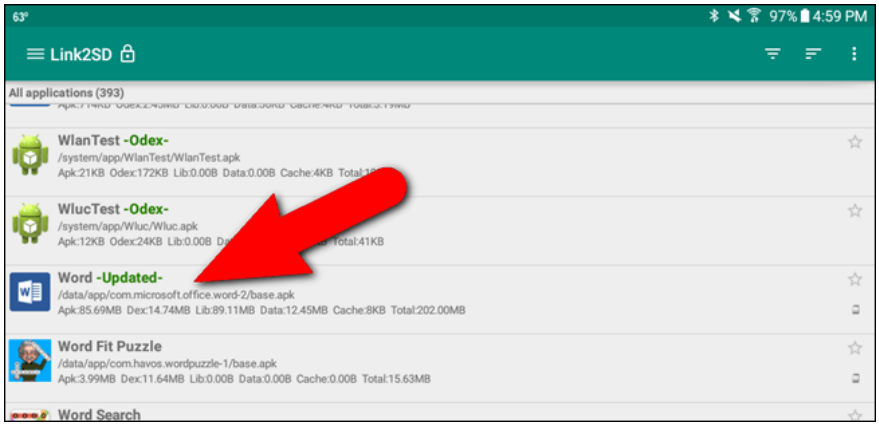
4. Transfer the installed application to the SD card

If you want to transfer some applications installed on the internal memory to the memory card, do the following. In this example, the Word application will be used.

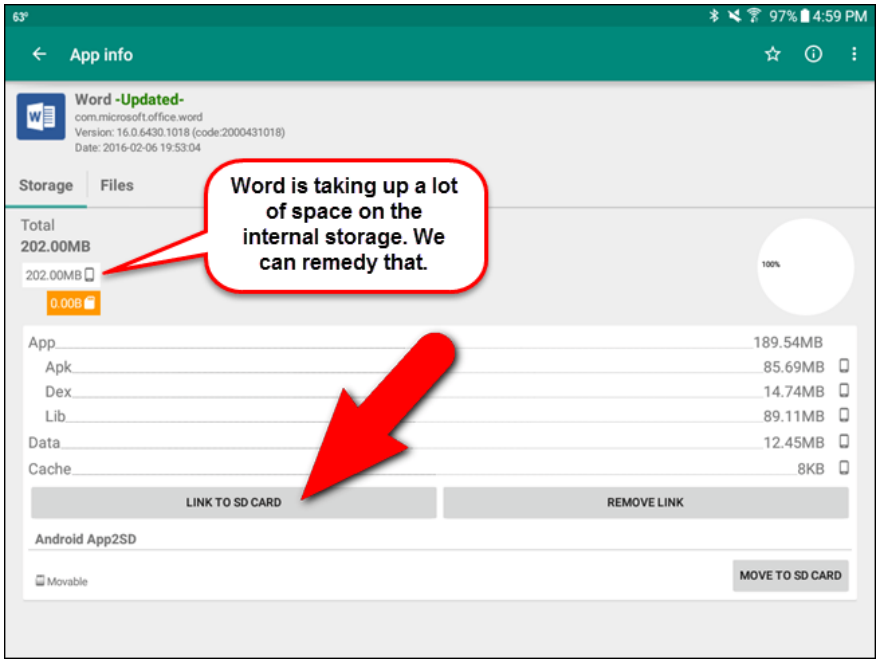
Open the application manager on Android, find and click on Word> you will see the option **Move to SD Card** is grayed out and unusable, if you can use it, just like the first way.



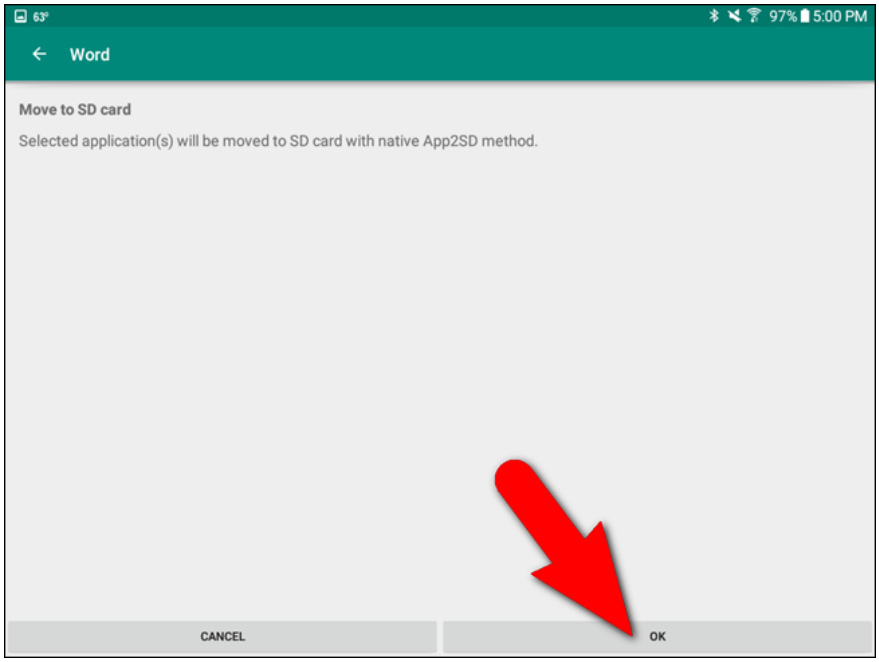
Open **Link2SD** and scroll down to find and click Word.



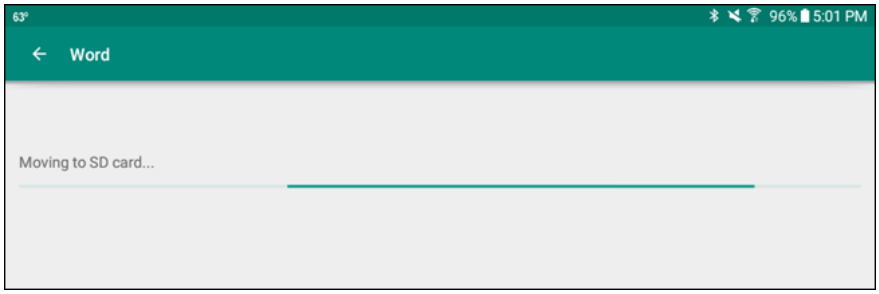
Here you will see the memory capacity of Word used on the phone is 202.00MB and on the memory card is 0.00B. Click **Link to SD Card** , this option will transfer as many data in the 202MB to the memory card as possible. Remember not to click Move to SD Card, this option only supports applications that can be transferred to the memory card from within the original settings of the device.



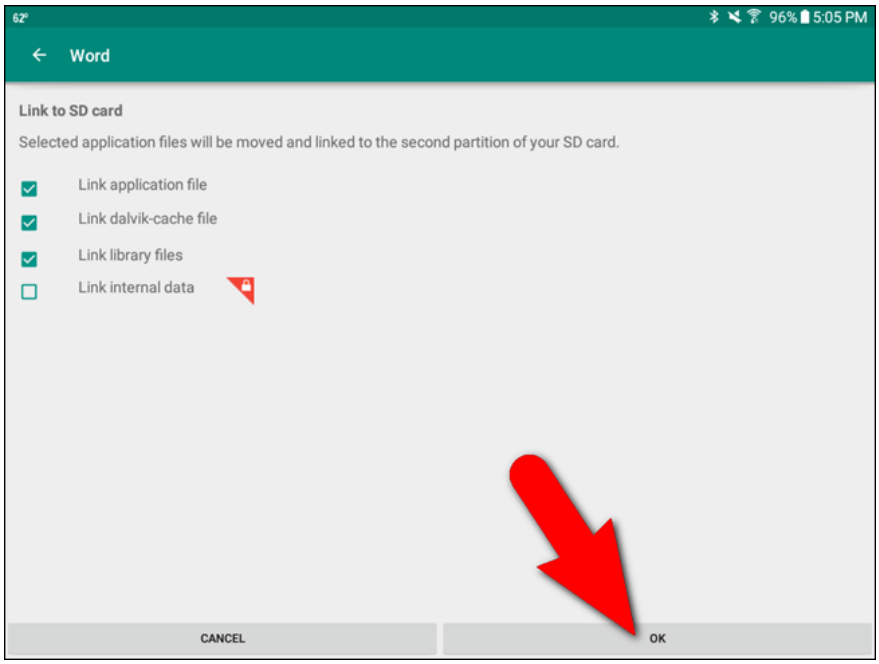
Click **OK** to confirm application migration.



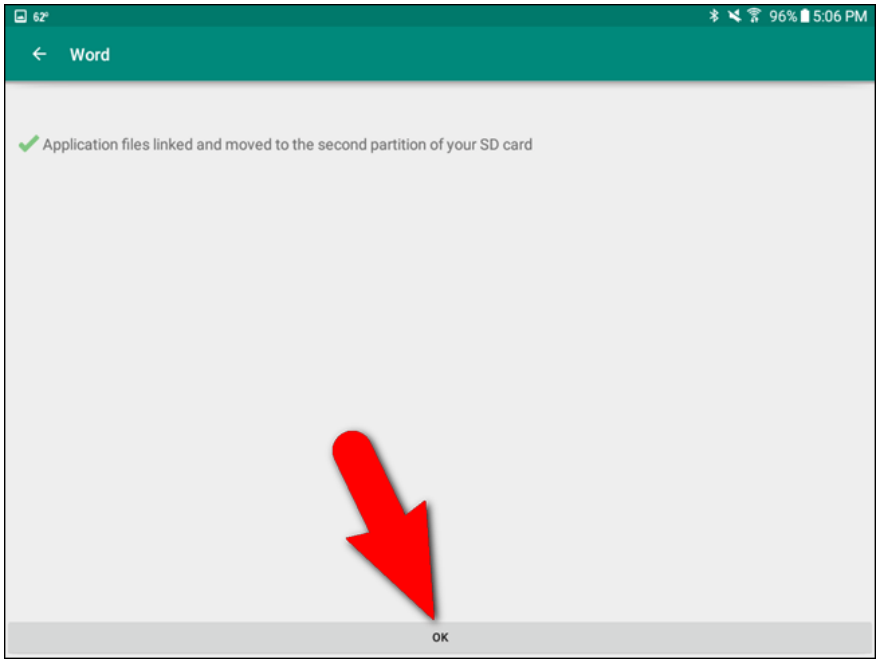
Wait a minute .



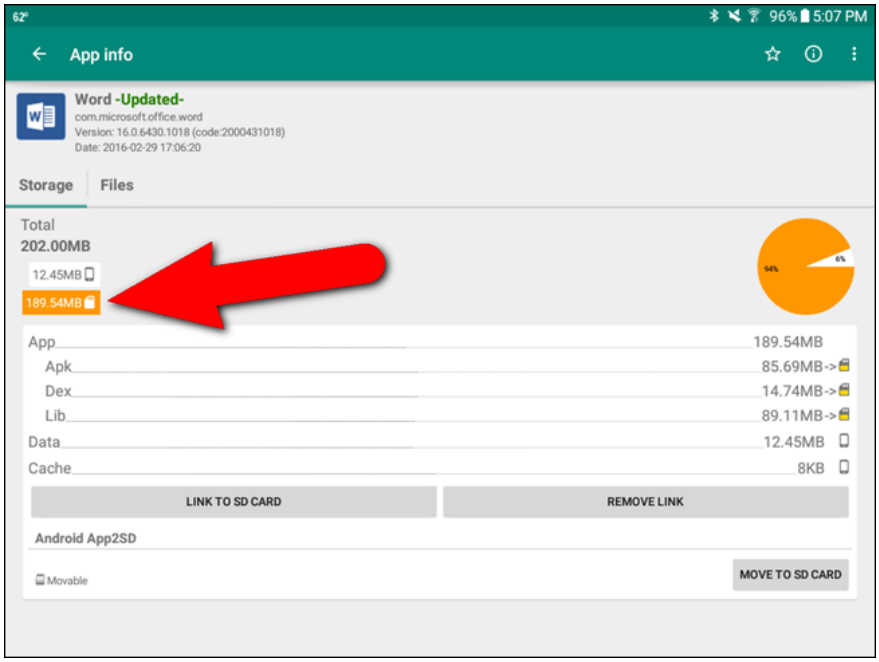
The **Link to SD Card** window will display the types of application files that can be transferred to the memory card, if the 3 heads are selected, click **OK** .



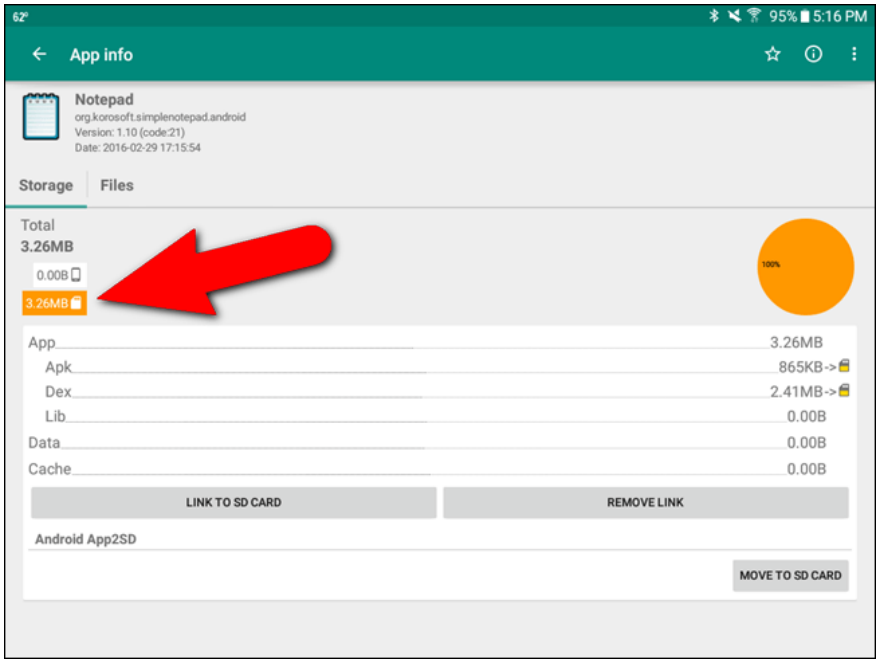
Wait a moment and click **OK** to finish.



Going back to the application screen you will see 189.54MB of Word that has been transferred to the SD memory card.



The image below for Notepad illustrates the application can be installed directly on the memory card.



If you want to move any application installed on the memory card to your phone's internal memory, simply open Link2SD> select application> in **App info and** click **Remove Link** and the application will be transferred to internal storage. .

When you have installed, move the application to the memory card, you must leave the memory card in the device so it can work.

This process may sound complicated, but if your Android device has a limited memory it seems to be useful. As long as your SD memory card meets the requirements as stated in the Note section.

I wish you all success.