

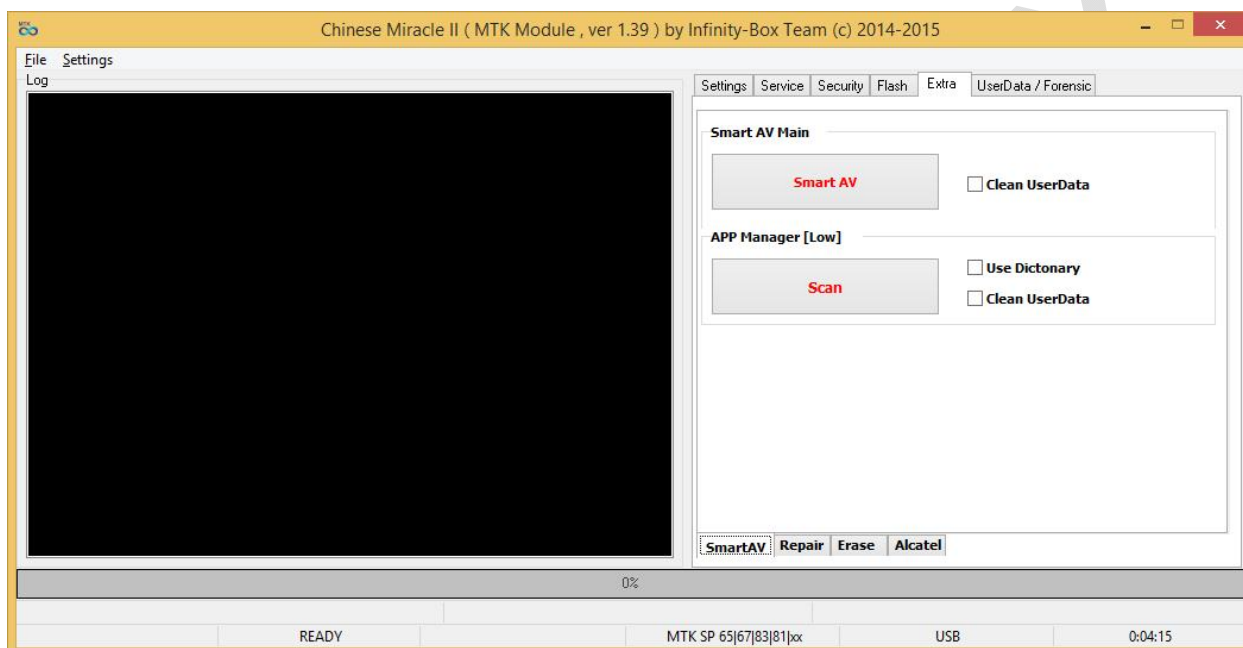
# MTK APP REMOVE MANUAL

## Requirements :

1. WinXP , Win7, Win8x or Win10 OS
2. Charged to 50% or more battery
3. Normal USB cable , without BootMode ( short pin ) , without HUB and etc.

## Prepare :

- Open CM2MTK ( version 1.40 or newer )
- Select SP Platform in CPU settings
- Go to “Extra” Tab

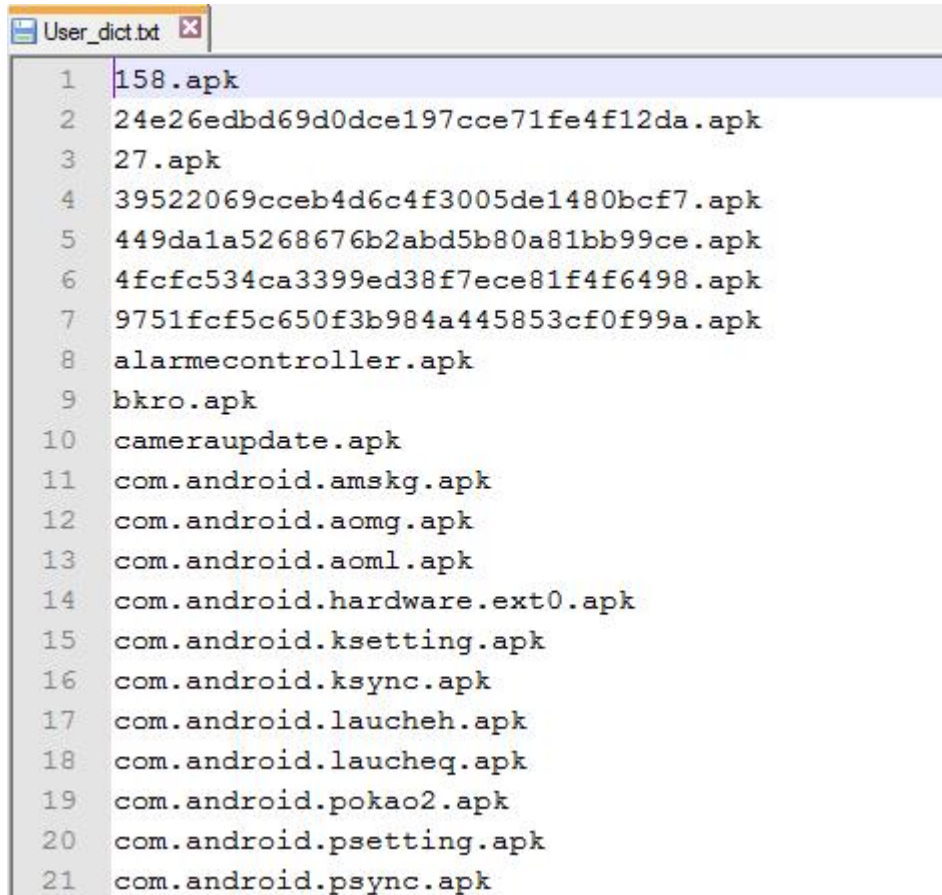




There is 2 buttons can be found in “**SmartAv**” section :

1. **SmartAV** [SmartAV Main] #1 – automatically remove viruses by some heuristic method. No need make any additional operations for use it.
2. **Scan** [App Manager] #3 – allow remove APP’s from system by few different methods : Auto (Dictionary) and Manual
3. **Additional settings** :
  - #2 : **Clear UserData** – Automatically Clear UserData area after SmartAV operation ( not need make “**Factory Reset**” separately )
  - #5: **Clear UserData** – Automatically Clear UserData area after Scan operation ( not need make “**Factory Reset**” separately )
  - #4 : **Use Dictionary** – Allow remove all unwanted APP’s and malware by using DataBase of KNOWN viruses and APP’s.
  - CM2** use 2 DB – Built-In ( updatable ) and User-Defined.

**User-defined DB** – simple text file, contains APP's names, which SW should remove, if they will be found during “Scan”



```
User_dict.txt
1 158.apk
2 24e26edbd69d0dce197cce71fe4f12da.apk
3 27.apk
4 39522069cceb4d6c4f3005de1480bcf7.apk
5 449da1a5268676b2abd5b80a81bb99ce.apk
6 4fcfc534ca3399ed38f7ece81f4f6498.apk
7 9751fcf5c650f3b984a445853cf0f99a.apk
8 alarmcontroller.apk
9 bkro.apk
10 cameraupdate.apk
11 com.android.amsg.apk
12 com.android.aomg.apk
13 com.android.aoml.apk
14 com.android.hardware.ext0.apk
15 com.android.ksetting.apk
16 com.android.ksync.apk
17 com.android.lauche.apk
18 com.android.laucheq.apk
19 com.android.pokao2.apk
20 com.android.psetting.apk
21 com.android.psync.apk
```

File can be edited by adding unwanted/virus apps names inside file – file per string.

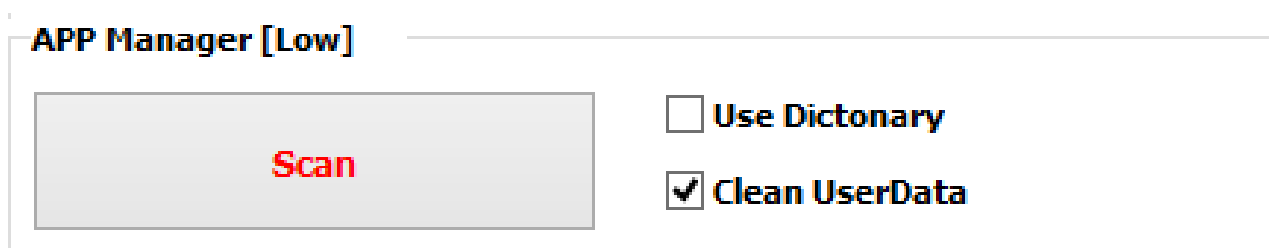
**Here can be placed ANY app**, which you want remove, for ex. – pre-installed apps, unwanted apps, malware and etc.

Built-In DB update by Author and contain ONLY malware applications.

During “Scan” with enabled Dictionary (“Use Dictionary”) CM2 will use BOTH databases and “smart” mode as well. It allows get COMPLETE result on removing unwanted APP's.

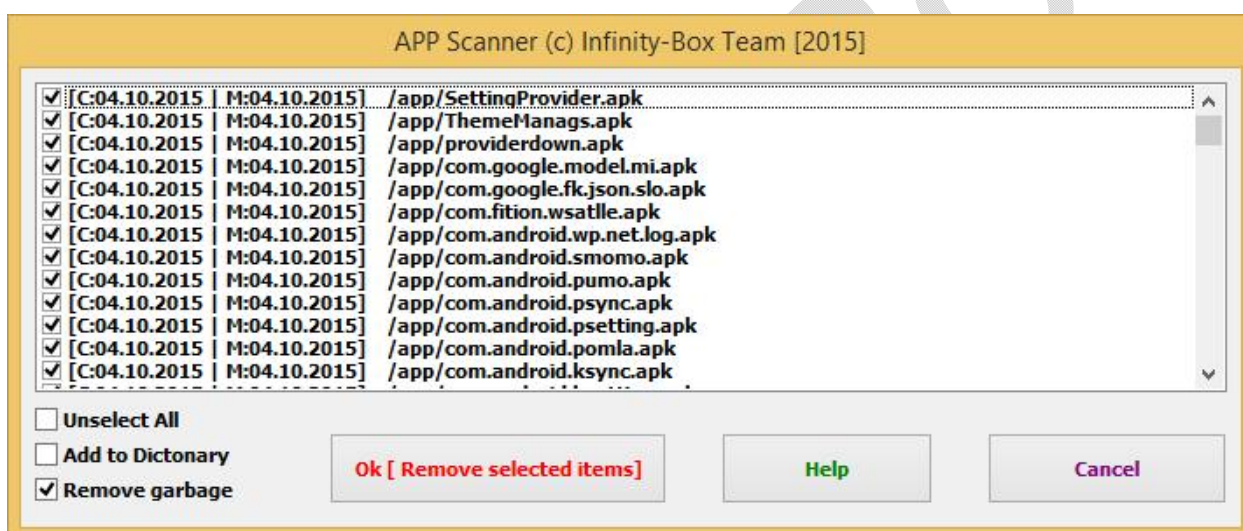
## Another mode of “Scan” operation – manual.

For enable it – need untick “Use Dictionary” option.



After press “Scan” button – follow software instruction and connect phone.

After successful scan SW will show new window:



Here you can:

- Select and Unselect files, which you want remove
- Update Dictionary (it will be updated by adding in UserDict files, which you select for removing – **DON'T** use that option, if you removing unwanted APP's and they are not a viruses)

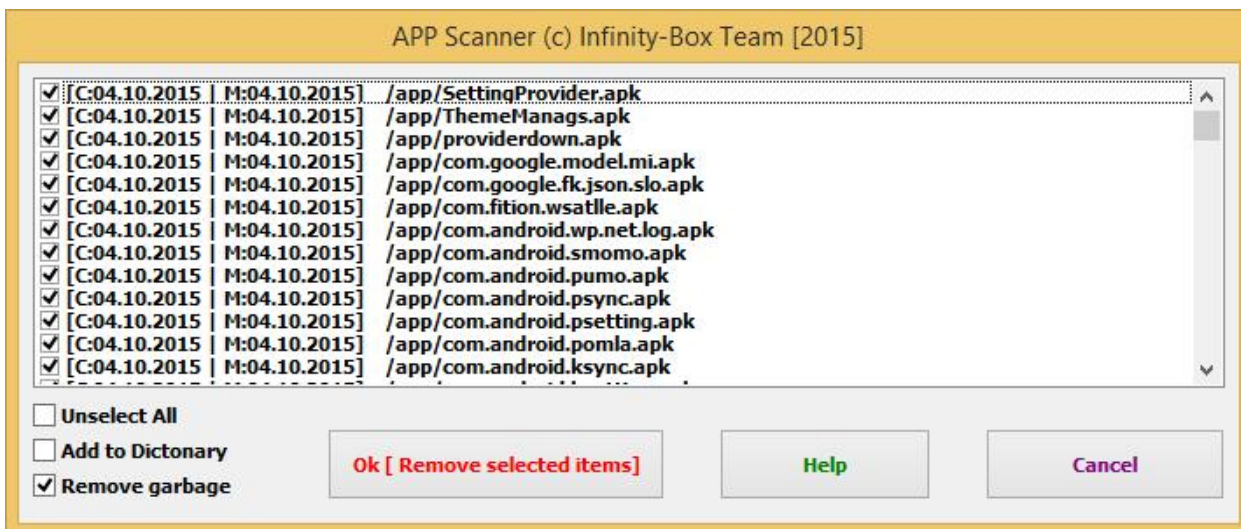
“Remove Garbage” option – remove daemons, services and scripts, which SW detect as malware or potentially harmful. SW not shows that files in main APP's list, but it know which files need remove and which – not. Use that option, if you use manager as Anti-Virus.

**In most cases – SW select potentially bad files automatically, but selection depend on heuristic method and can select NOT ALL MALWARE applications!**

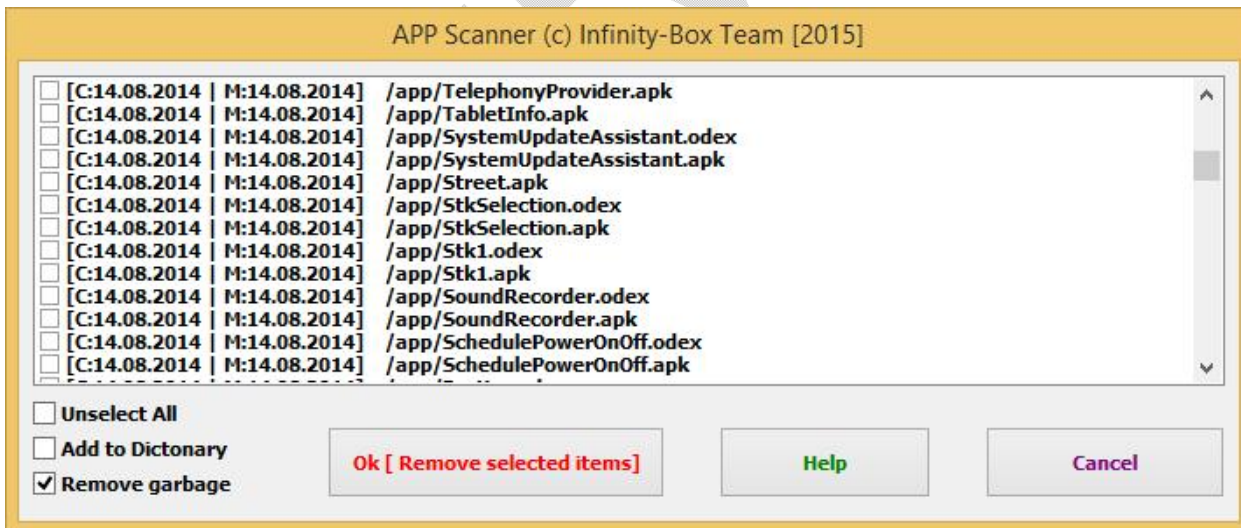
**SW sort list according possible detection level – in simple words – FIRST FILES IN LIST for EVERY NEW DIRECTORY – mostly BAD/Malware APP's!**

Check pictures for example:

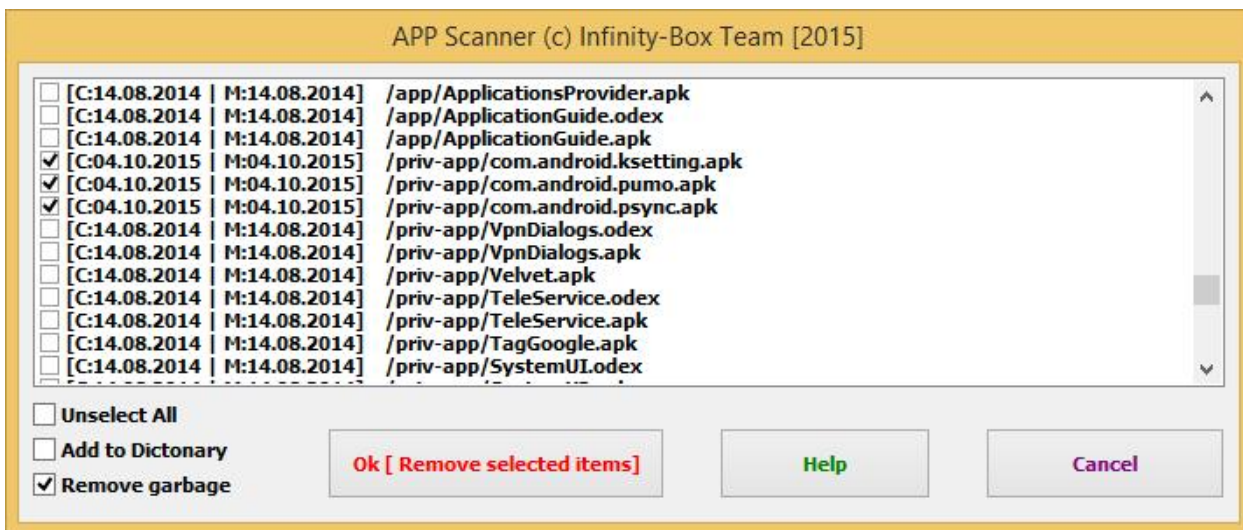
1. We are in start of list. SW detected and marked applications as BAD



2. Go down in list



3. Seems as there is no more in that directory. Go down

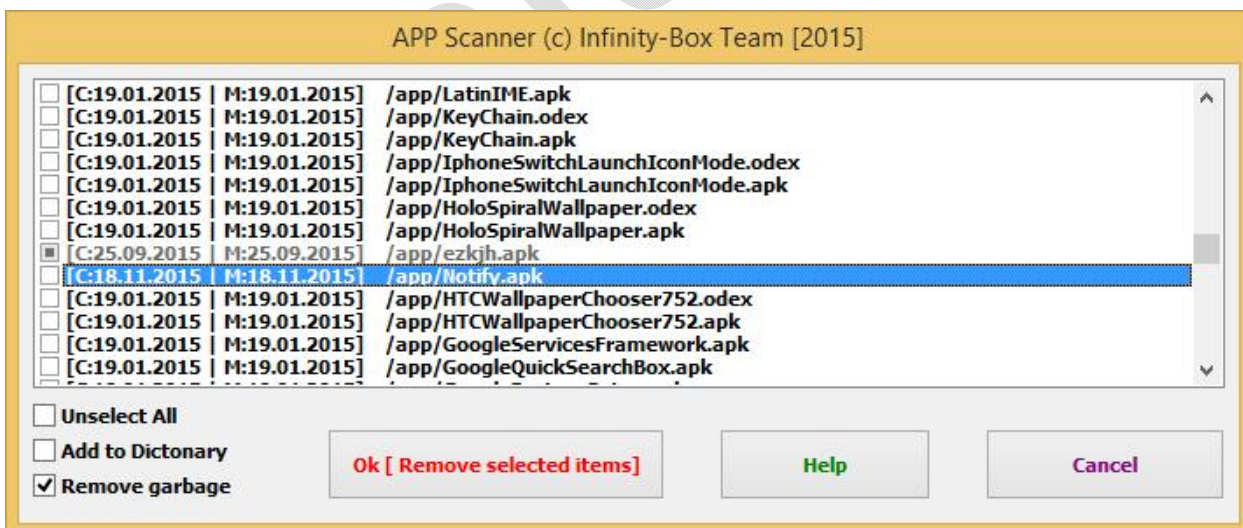


Here is more files selected, which also malware.

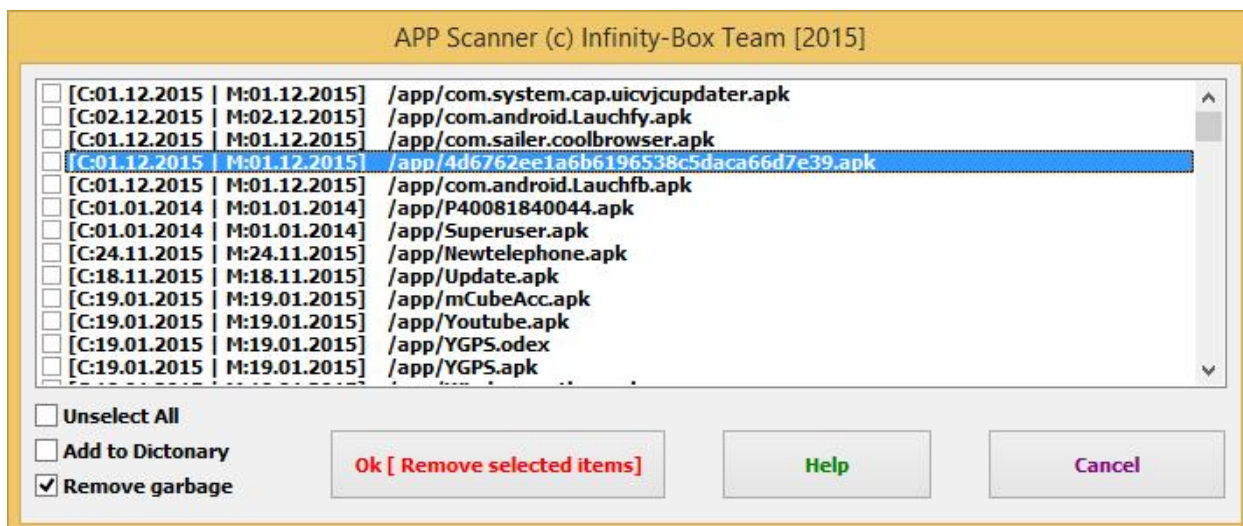
That is very simple example of UNTOUCHED by some 3<sup>rd</sup> party apps!

Here is one more example :

1. Scan APP's



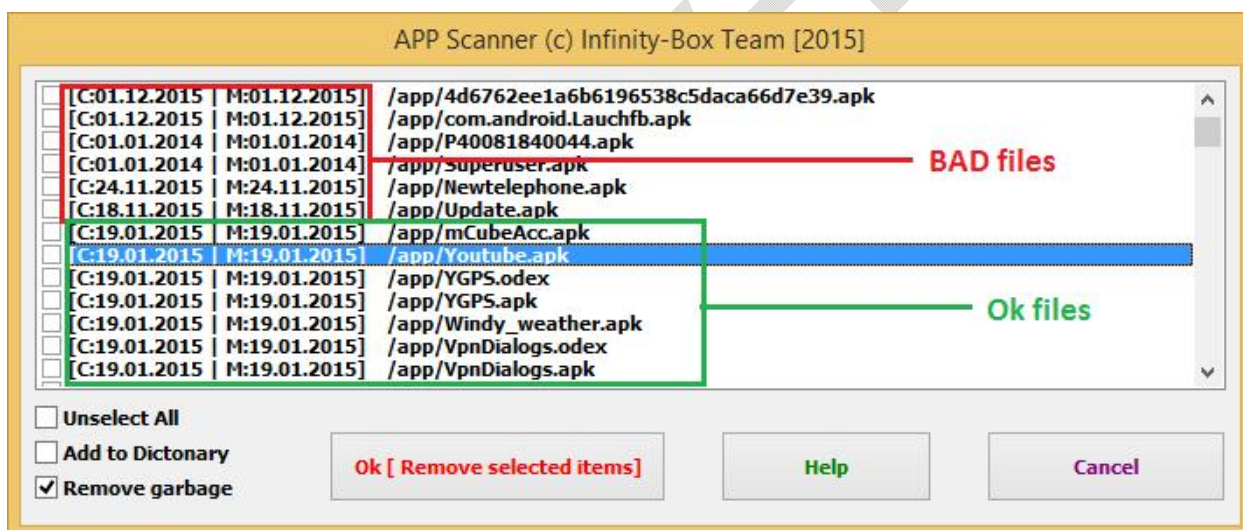
Here we can see grayed items –that mean files **ALREADY** removed.



Here we can see – strange names, but not selected – **WE MUST SELECT THEM!**

Here we also see 2 Date info : 1<sup>st</sup> one is “Creation” and second it “Modify” time.

Look on picture. Check Red and Green lines.



You can check date of MOST files in system – they will be SAME for 80%-90% files. New one date, like on example – can mean only one – they are NOT belong to FACTORY apps!

**Even one looks on them enough to understand – that files is not good.**

**We should go down to the list and check rest files, will they be potentially bad:**

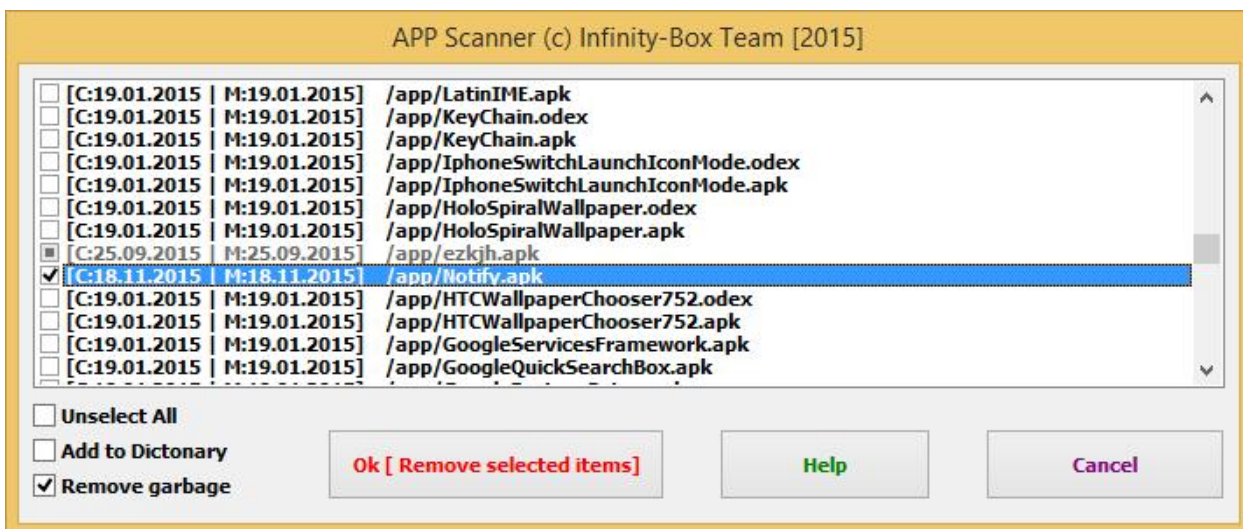
**1. Strange names**

**2. MORE newer date of their creation, then rest**

**3. Check files near GRAYED items.**

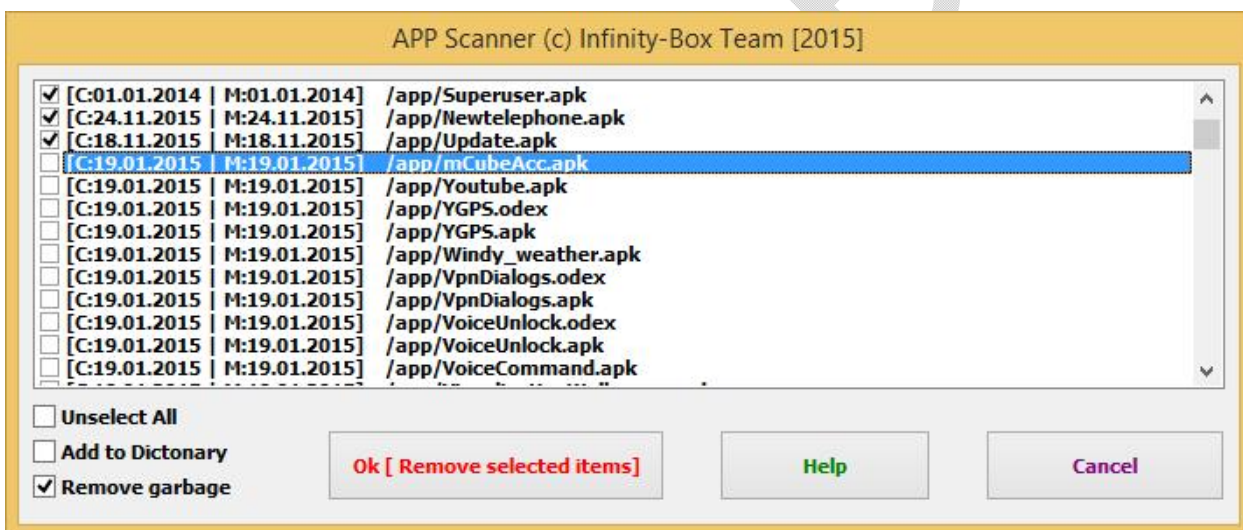


## MTK APP Remove Manual



Another one between removed – also same, need select.

Enough to look on their Date – they both are differs from rest.



Here is time to stop. Why? Because here start normal files ( vendor-specific names , well-known apps )

Here is start SYSTEM files – how know them? Paired names, for example:

YGPS.odex

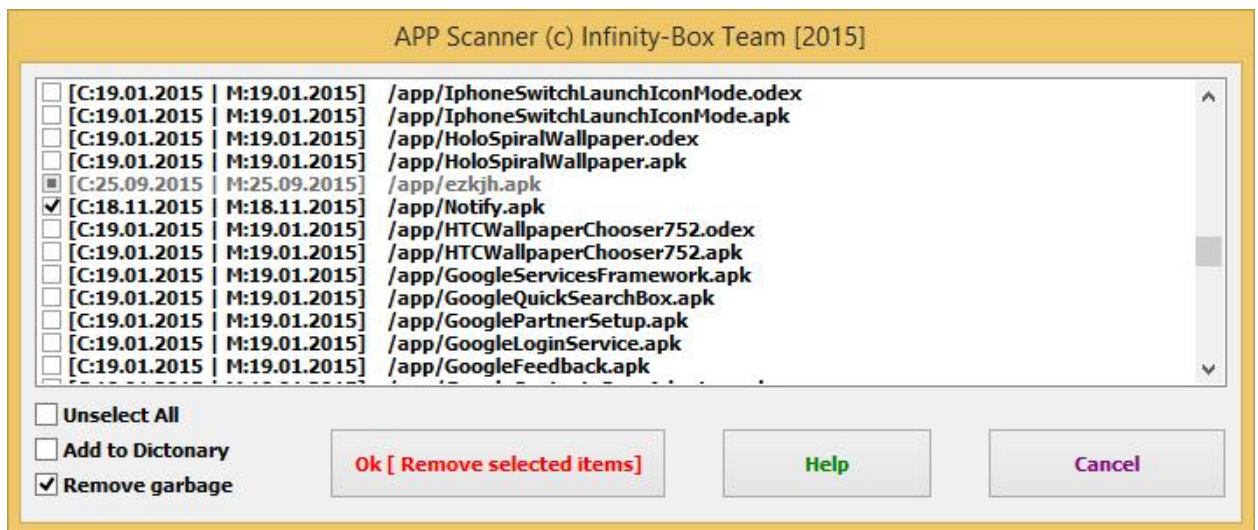
YGPS.apk

Can't be a virus! Also, here we can see date, which can be found on most system files: 19.01.2015.

You not need touch them, if you not want remove them by some reason – cleaning ROM from garbage app's and etc.

**Remember – there still need check rest list for strange names, just to make sure.**

**Last step – check list for other directories (if they exists)**



On example there is just one. Normally – 2, but can be up to 4 directories.

2. After selecting files – there will be good idea to add them in “Dictionary”  
After adding to it – you can next time remove them in seconds by selecting “Use Dictionary” option.

## Conclusion:

By using “SmartAV” and “Scan” with “Use Dictionary” and described before hints - you can remove most of viruses. If they still exist (you can check it by manual scan) – you can remove them and add to dictionary by way, described before.

P.S.:

If, after read that manual, you still not got a point how correctly use that function – leave it.