Binom Cloud

User Manual

binom

CONTENT:

binom

WHAT IS BINOM CLOUD?

The primary purpose of Binom Cloud is to create, read and restore backups of certain applications and user files of Binom smartphones. The practical use of Binom Cloud is that you can control the displaying of data stored on your smartphone (delete and restore as needed), as well as restore all your data from the Cloud in case of purchase of a new Binom device.

BINOM CLOUD HOW IT WORKS?

1. Backups are automatically created on smartphone according to schedule specified in mobile application.
2. Backups are encoded with a symmetric key on the smartphone side and uploaded to the server.
3. The server stores the last 12 copies of backups of certain types of user data.
4. Each user has 10 GB of server disk space with the possibility of expansion upon request.

APPLICATION START, GENERATING PRIVATE KEY

Binom Cloud is represented by corresponding icon on the home screen of your device.

At the first start, the application will sequentially ask you for permission to access information to create backups. Allow access.
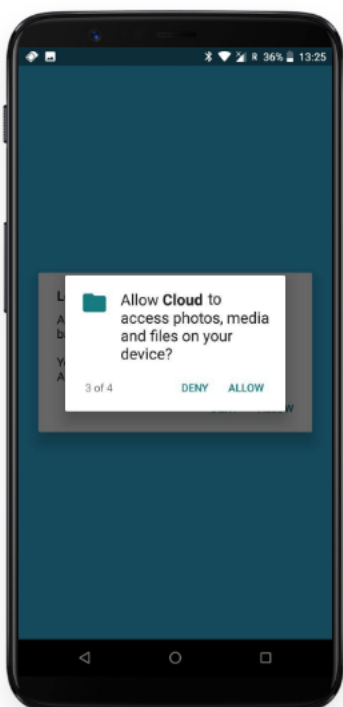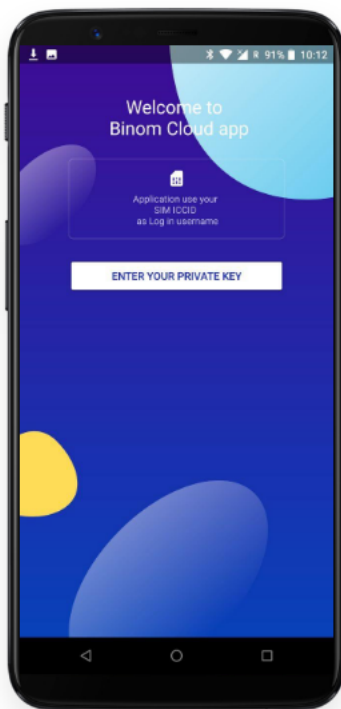
APPLICATION START, GENERATING PRIVATE KEY

The app will also ask for permission to run in the background. This feature is activated when a large amount of multimedia data is sent to the Cloud. The app will send files piece by piece in the background, resuming sending every hour until all your data has been successfully sent. Allow run.
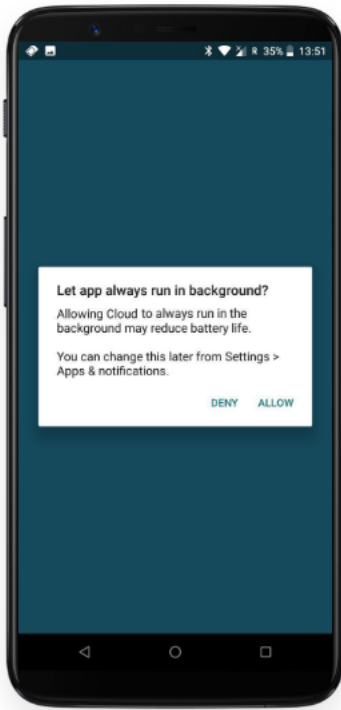
Warning!

Sending data in the background does not occur when battery is low. When the battery gets sufficiently charged, data sending will resume.

After obtaining the necessary permissions, the application will ask you to enter your private key.

APPLICATION START, GENERATING PRIVATE KEY

Authentication in Binom Cloud, as well as in other Binom applications, is based on the SIM card's iccid (Integrated Circuit Card Id), preinstalled in the Binom smartphone. This is unique serial SIM card identifier that is assigned to every card. This number is unique and cannot not be repeated.

When you first start the application, you should set up and enter a private key that only you will know. This key will encode all information stored in the Cloud. Private key must meet complexity requirements - this is done for your own safety. Complex private key dramatically increases the level of effort required to compromise it in order to access your personal data. Private key complexity requirements provide reliable protection from Brute force attack (a brute-force attack means submitting many possible combinations of passphrases until the correct one is found). The range of combinations is so large that it would take hundreds or even thousands of years to decrypt a reliable private key.
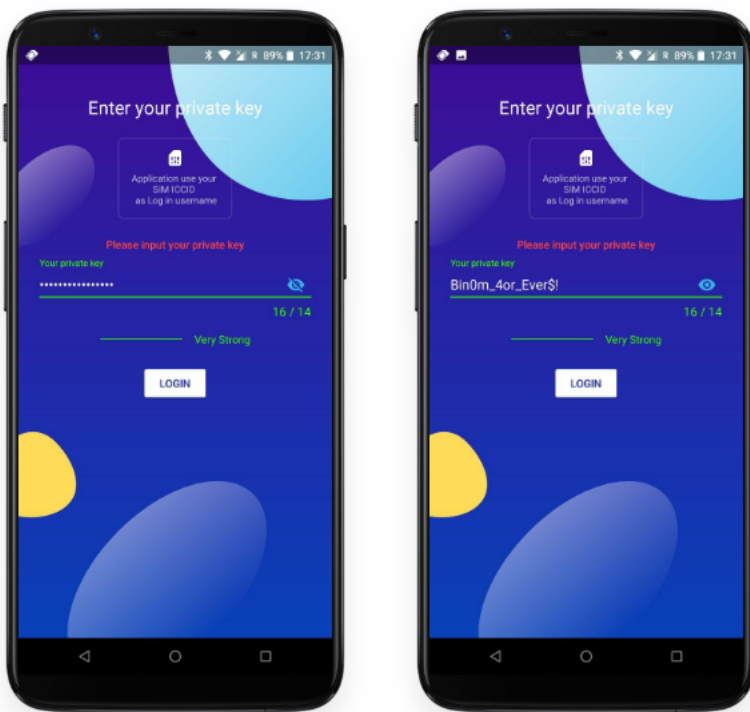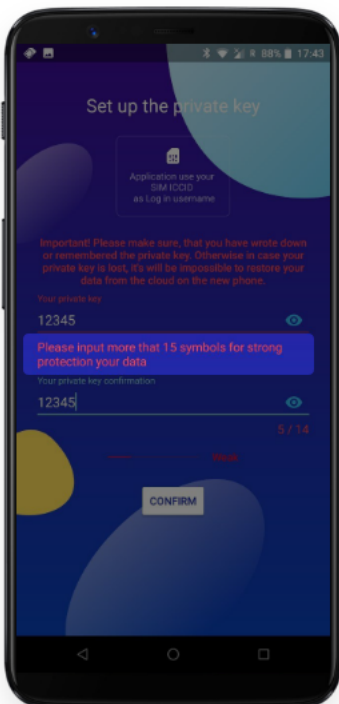

To check the entered key, tap this button .

APPLICATION START, GENERATING PRIVATE KEY

Proceed and confirm your private key.
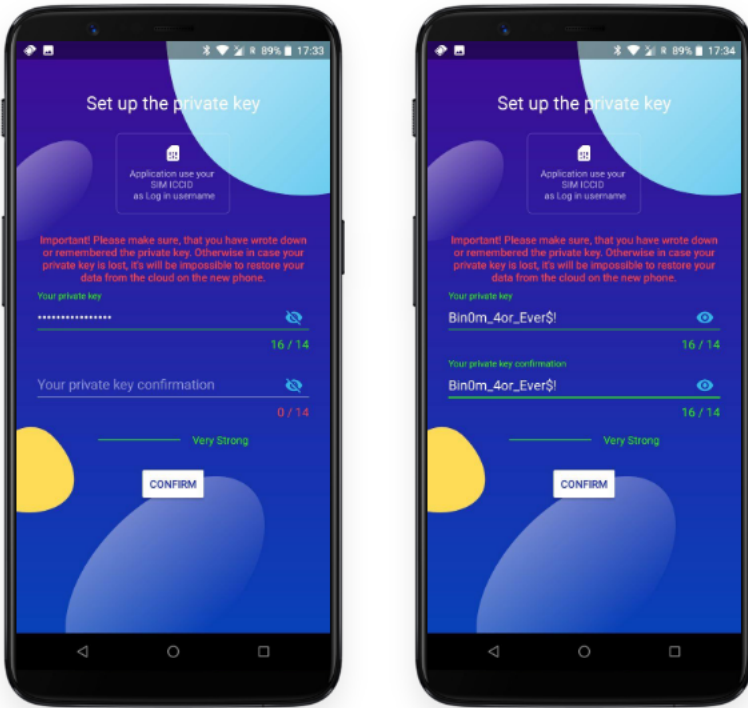
You will not be able to complete the process if your private key does not meet security requirements.
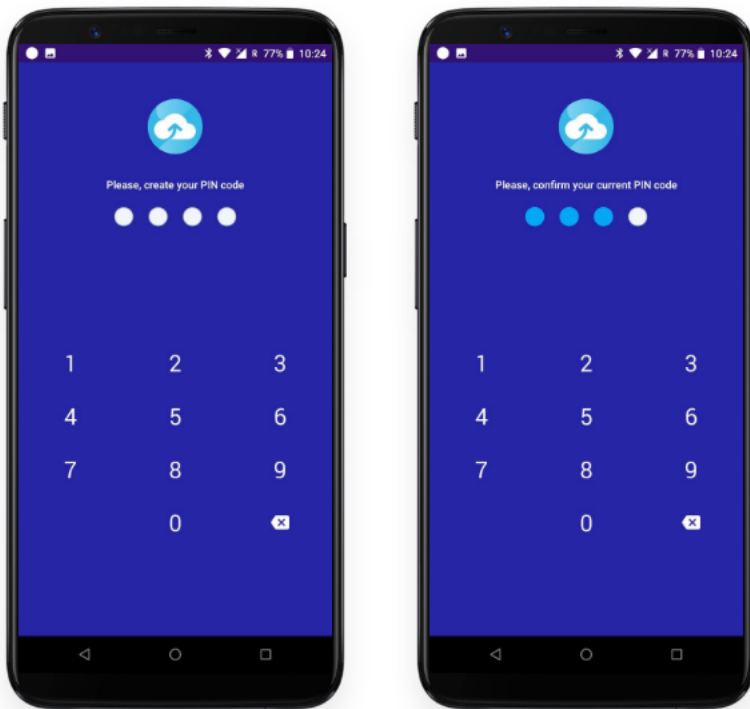

Warning!
No one except you can decrypt your data stored in the Cloud. Remember or write down your private key, as this is the only access to your data stored in Binom Cloud. If you forget / lose your private key, access to data in the Cloud would be lost forever. At your request, we can delete your Binom Cloud account with all data. You will need to set up a private key again, as when you first started the application. Then you can use Binom Cloud again for your data storage and backup. All previous data stored in the Cloud and encrypted with former key will be permanently deleted.

By the ICCID number of the pre-installed SIM card, the application identifies you; therefore, an attempt to enter your private key on someone else's Binom device will not succeed.

binom

PIN CODE

After configuration of private key, the application will ask you to set up your PIN code and confirm it. You also need to come up with a PIN code yourself. PIN code is used for easy access to Binom Cloud (in order not to enter a private key every time) until you end the session yourself by exiting the application.
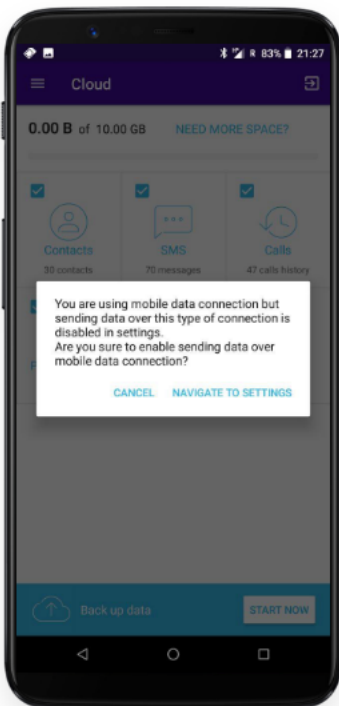
MOBILE INTERFACE

After PIN code creation, the application will ask you to start synchronization process immediately. You can confirm sending data right now or initiate it later.
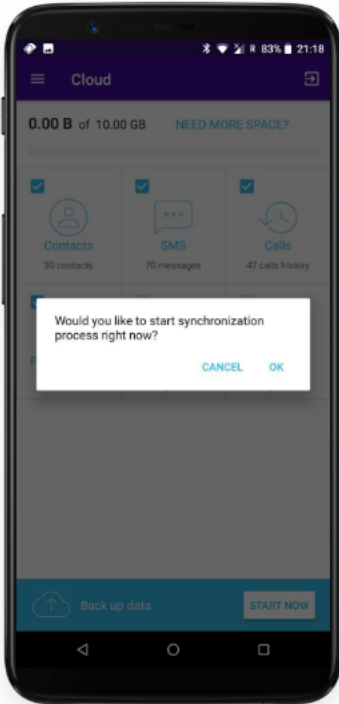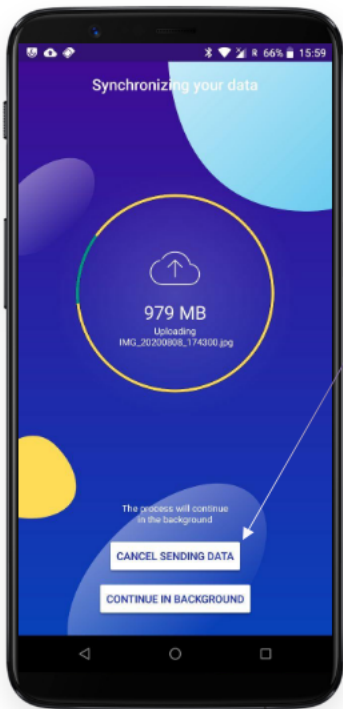

Warning!

Sending and downloading data only via Wi-Fi is activated in the application settings by default. If you are using mobile network the application will ask you for confirmation of sending to avoid extra charges.
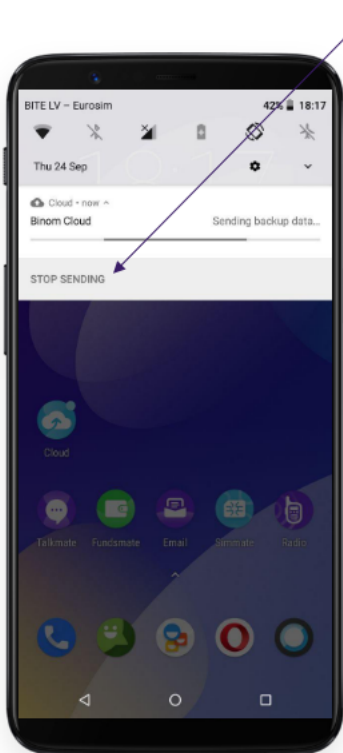
MOBILE INTERFACE

You can stop sending data any time -
just tap Cancel button.

CONTINUE IN BACKGROUND button will return you to the main application menu. Sending data will continue in the background. Swipe down to monitor the process in notification panel. There is stop sending button as well.
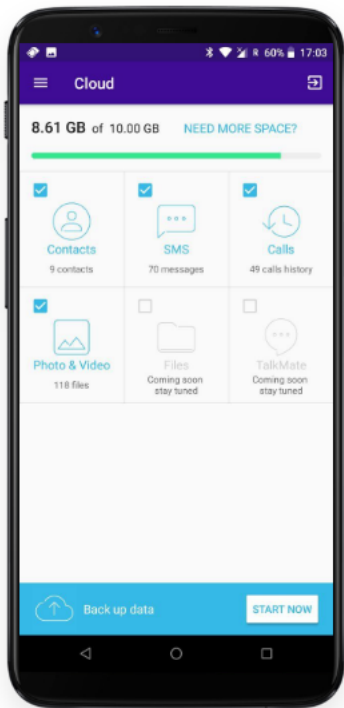

binom

MOBILE INTERFACE

Warning!
All sending data is first encrypted with your private key and then sent to the server in encrypted form. The sending time depends on the number of multimedia files on your device and on the quality of Internet connection. If there are many files in the Gallery, the application will consistently send them to the server every hour, provided there is a Wi-Fi connection and sufficient battery charge. The process automatically runs in the background until all data is sent to the Cloud. You can speed up the process manually resuming force sending data over and over again until all media files are uploaded and displayed in the appropriate section of the Binom Cloud app. The resumption of sending in the background occurs only if there is a Wi-Fi connection, unless the user himself changed this setting (see the section "Settings" for details).

After successful sending of each piece of data, you will receive a corresponding notification.

✓✓ Cloud • now ⌃

Binom Cloud
Backup completed

MOBILE INTERFACE

Here is how main menu looks like:

The upper part of the screen displays the amount of disk space you are using from 10 GB available by default.

Currently, backup of the following data types is possible in Binom Cloud:

- **Contact list**
- **SMS**
- **Call history**
- **Multimedia files:**
  - Photos
  - Videos

In future updates of the application will be possible to backup also:

- **Talkmate files**
  - Text message history
  - Multimedia
- **Files and folders from external media of your choice**

binom

MOBILE INTERFACE

You can select the type of data for backup by ticking ☑ the data type you need.
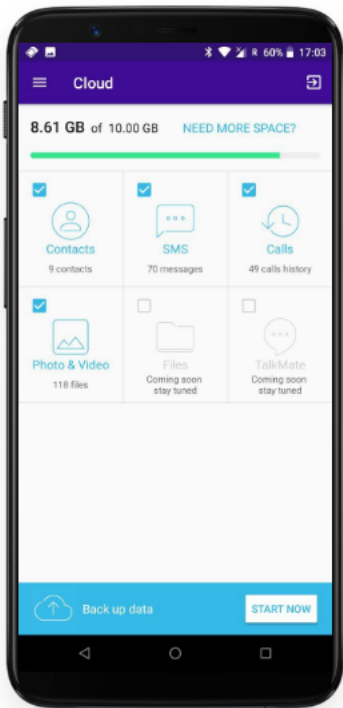
You can start backing up your data immediately after you open the main menu. Just tap the START NOW button in the lower right corner.

Thus, you will make a local copy of all selected data existing on your device.
The copy is encrypted with your private key and then sent to the server for storage.

binom

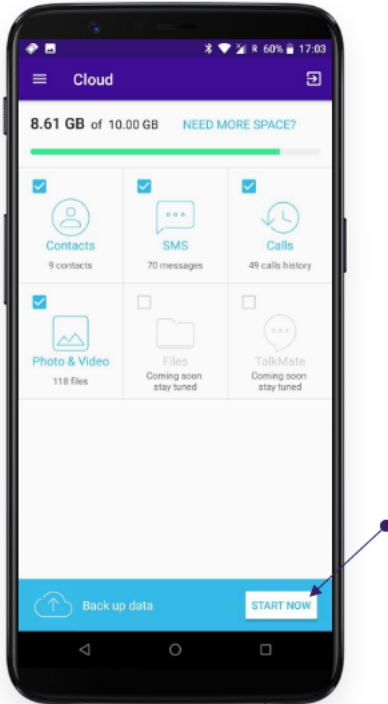# MENU

To access the main menu, tap this button ⊜ in the upper left part of the screen.
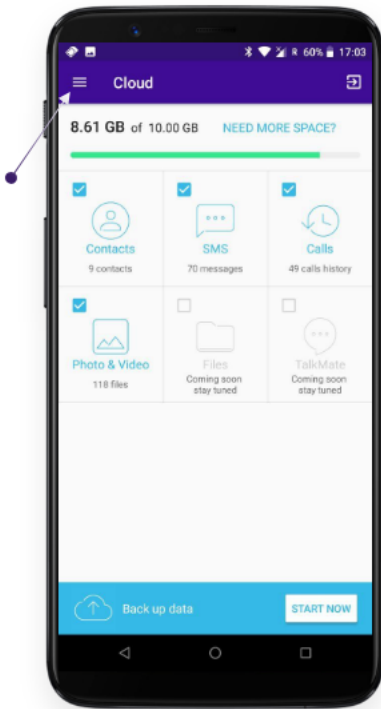
This will open the dropdown menu interface.
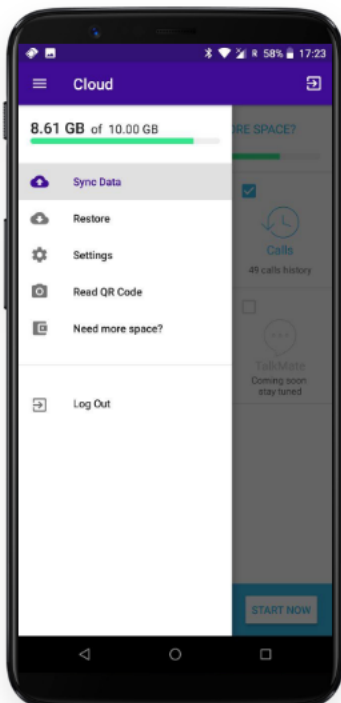
SYNC DATA

After selecting **"Sync Data"**, you will go back to main screen where you can backup and send to server the data you need.

Warning!
Do not forget to tick the data which backup you want to save to the Cloud.

RESTORE
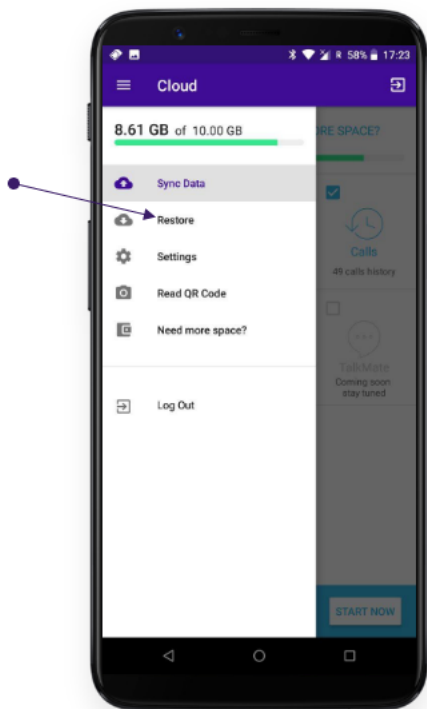
Choosing **"Restore"** bar in the drop-down menu opens the following screen.
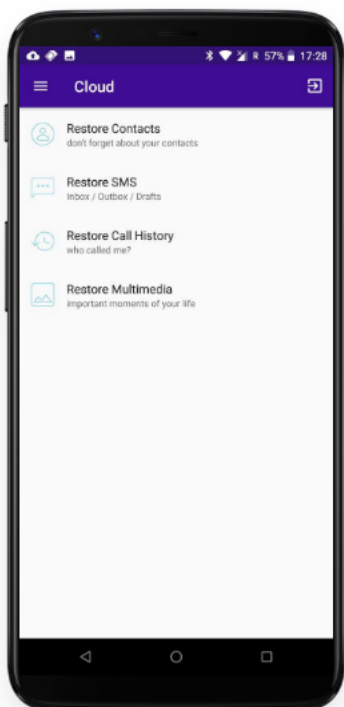
If your phone was lost, broken, you bought a new Binom device or just deleted a part of the data and now want to restore it - select the type of data to restore:

- **Contacts**
- **SMS**
- **Call History**
- **Multimedia**

RESTORE CONTACTS

After you choose "Restore Contacts", you will see a list of backups of your contacts, displayed in chronological order.
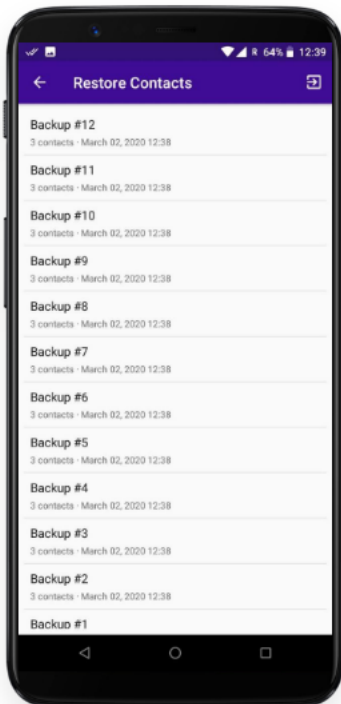
Warning!

You can create up to 12 backups of your contacts. After creating 12 backups, creating each subsequent backup automatically deletes the first backup from the list, since no more than 12 can be displayed. That is, backup # 12 becomes backup # 11, and just created backup becomes # 12. Backup # 1 is deleted and the previous backup # 2 becomes the backup # 1.

RESTORE CONTACTS

Choose the one you need to restore.
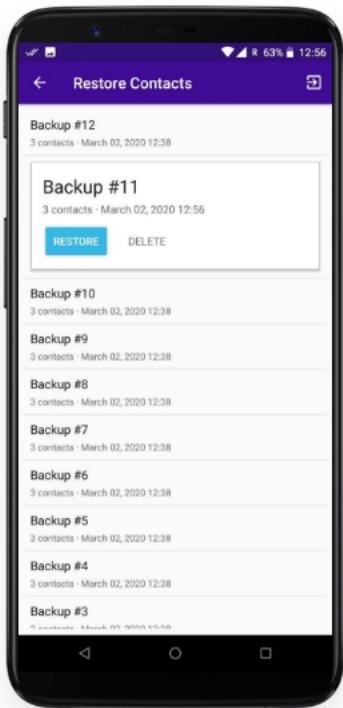
RESTORE CONTACTS

Confirm restoration of the selected backup.
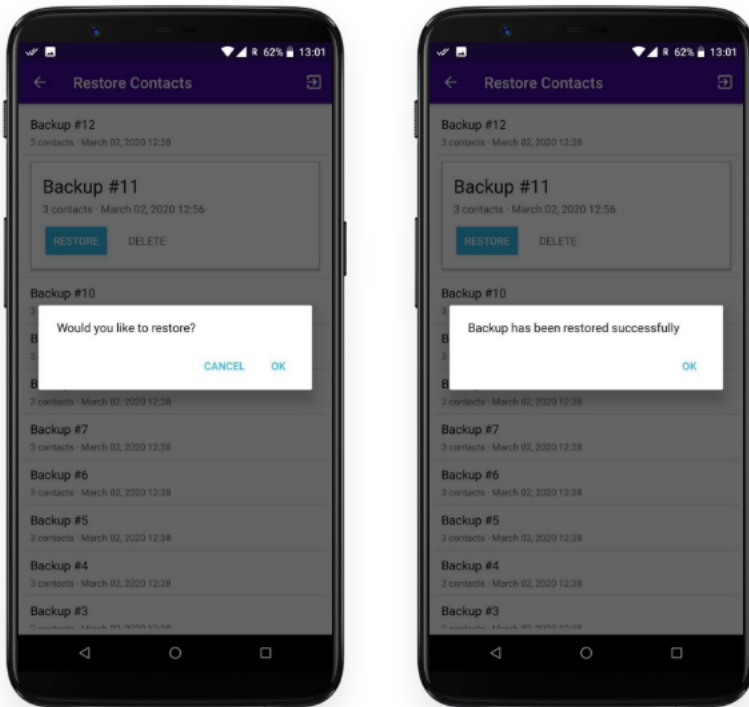
The chosen backup of your contacts will be restored on your device. Thus, you can delete even all contacts from the memory of your Binom smartphone and restore them anytime. All you need is Internet access. You can also choose which version of the contacts you want to restore, thus managing the display of contacts in the memory of your Binom device.

binom

DELETING CONTACT BACKUPS

Instead of restoring contacts, you can choose "Delete" for each contacts backup.
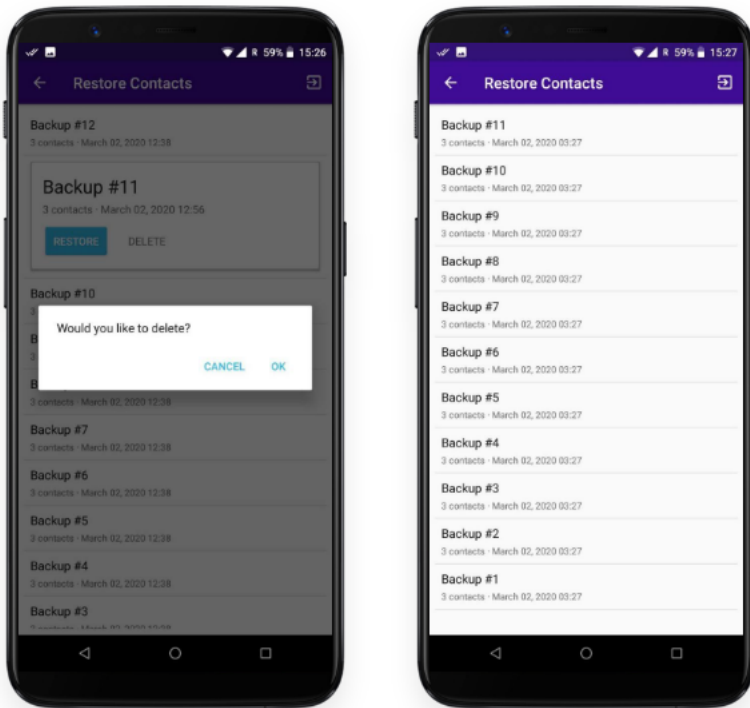
After confirmation, the corresponding backup will be deleted from your Cloud storage. You will see an updated backups list without recently deleted backup of your contacts.
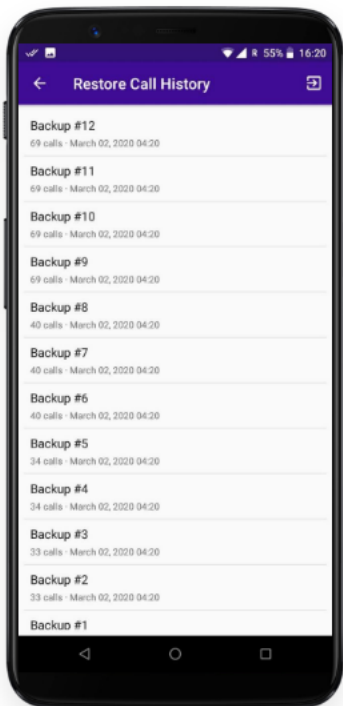
Warning!
The backup numbers change in each case of deleting one of the backups in the list. That is, after deleting, for example, backup # 7, backup # 8 will become backup # 7, etc.

binom

RESTORE SMS

After you choose **"Restore SMS"**, you will see a list of backups of all your SMS (Received / Sent / Drafts), displayed in chronological order.
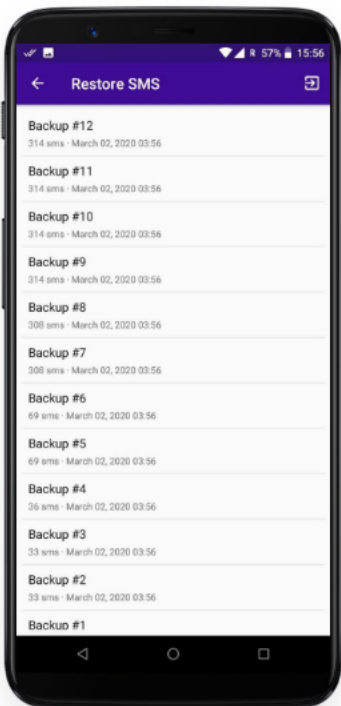
Warning!

You can create up to 12 backups of your SMS. After creating 12 backups, creating each subsequent backup automatically deletes the first backup from the list, since no more than 12 can be displayed. That is, backup # 12 becomes backup # 11, and just created backup becomes # 12. Backup # 1 is deleted and the previous backup # 2 becomes the backup # 1.

RESTORE SMS

Choose the one you need to restore.

Confirm restoration of the selected backup.
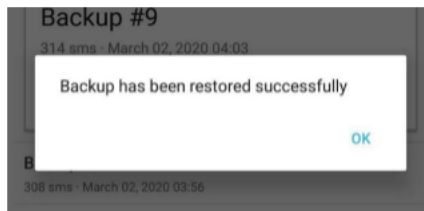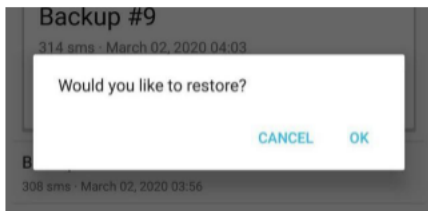
The chosen backup of your SMS will be restored on your device. Thus, you can delete even all SMS from the memory of your Binom smartphone and restore them anytime. All you need is Internet access. You can also choose which version of SMS you want to restore, thus managing the display of SMS in the memory of your Binom device.

DELETING SMS BACKUPS

Instead of restoring SMS, you can choose "Delete" for each SMS backup.
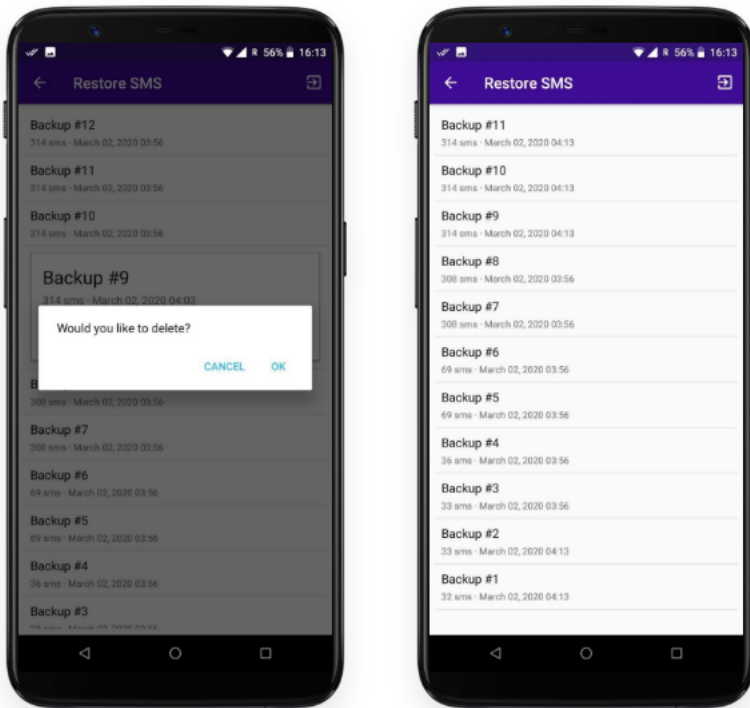
After confirmation, the corresponding backup will be deleted from your Cloud storage. You will see an updated backups list without recently deleted backup of your SMS.

Warning!
The backup numbers change in each case of deleting one of the backups in the list. That is, after deleting, for example, backup # 7, backup # 8 will become backup # 7, etc.

RESTORE CALL HISTORY
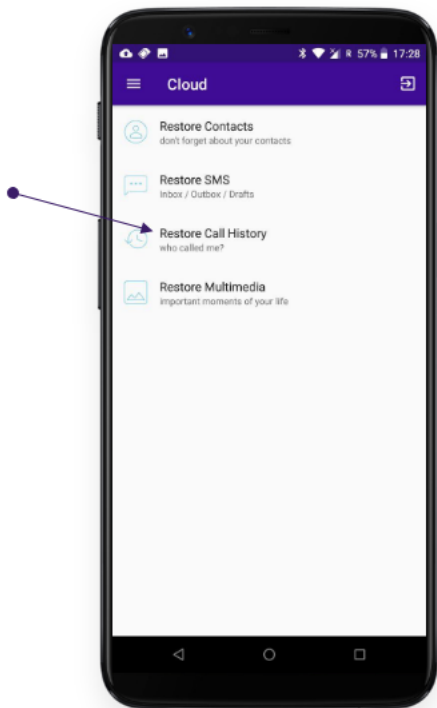
After you choose "Restore Call History", you will see a list of backups of all your Calls (Incoming / Outgoing / Missed), displayed in chronological order.

Warning!

You can create up to 12 backups of your Call History. After creating 12 backups, creating each subsequent backup automatically deletes the first backup from the list, since no more than 12 can be displayed. That is, backup # 12 becomes backup # 11, and just created backup becomes # 12. Backup # 1 is deleted and the previous backup # 2 becomes the backup # 1.

RESTORE CALL HISTORY

Choose the one you need to restore.

Confirm restoration of the selected backup.
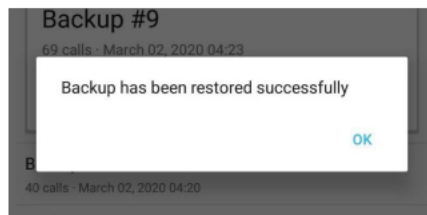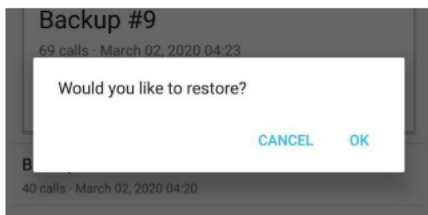
The chosen backup of your Call History will be restored on your device. Thus, you can delete even all calls from the memory of your Binom smartphone and restore them anytime. All you need is Internet access. You can also choose which version of Call History you want to restore, thus managing the display of calls in the memory of your Binom device.

DELETING CALL HISTORY BACKUPS

Instead of restoring Call History, you can choose "Delete" for each Call History backup.
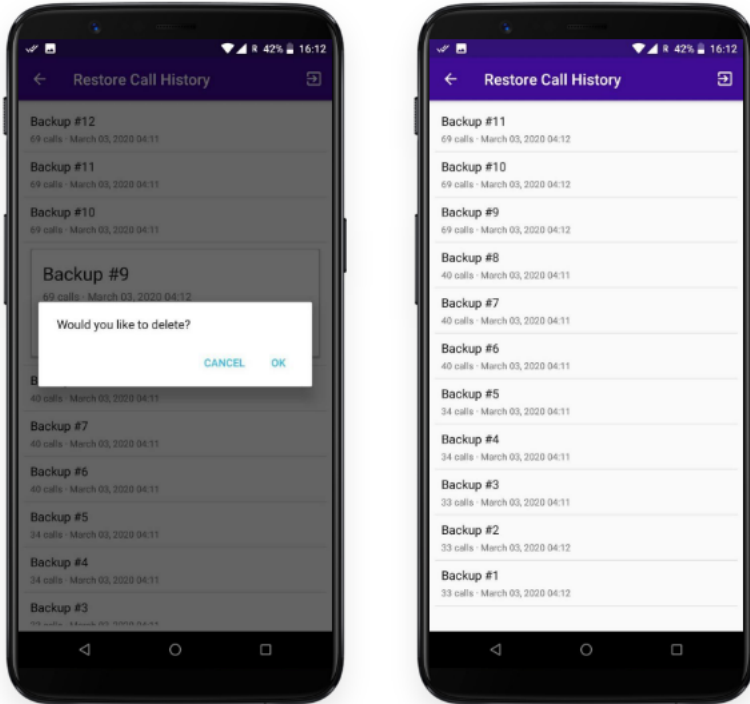
After confirmation, the corresponding backup will be deleted from your Cloud storage. You will see an updated backups list without recently deleted backup of your Call History.

Warning!
The backup numbers change in each case of deleting one of the backups in the list. That is, after deleting, for example, backup # 7, backup # 8 will become backup # 7, etc.

RESTORE MULTIMEDIA
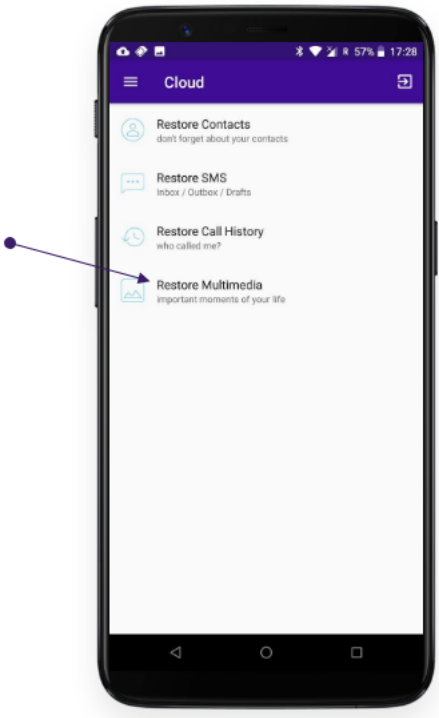
After you choose **"Restore Multimedia"** you will see a list of multimedia files saved in the Cloud.

The application synchronizes information between multimedia located in the Cloud and on your Binom device. Files that are present both in the Cloud and on your device are displayed like this:
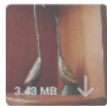
Files that are present in the Cloud, but absent on your device are displayed as follows:
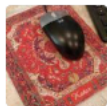
RESTORE MULTIMEDIA

Select the files you want to restore by pressing and holding your finger on the desired file. Then tap this button RESTORE at the bottom of the screen.
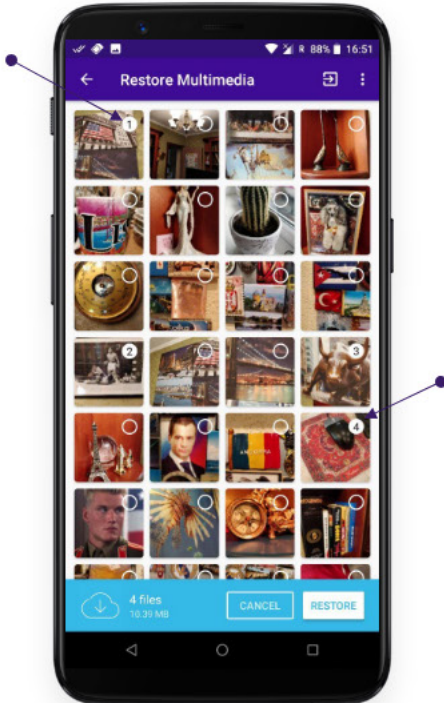
You can restore all files. Open the drop-down menu in the upper right part of the screen and choose the appropriate menu bar:
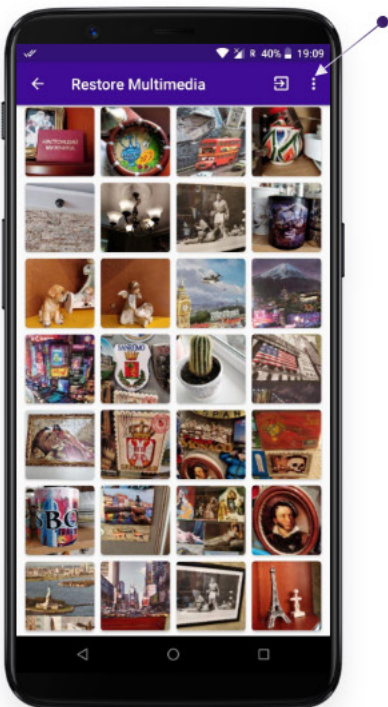
RESTORE MULTIMEDIA

Then press RESTORE button at the bottom of the screen.

Warning!
The restoration time for multimedia data depends on the number and size of files being restored and on the quality of your Internet connection.

You can just put the phone away for a while, you will receive notification once the restore process is finished.
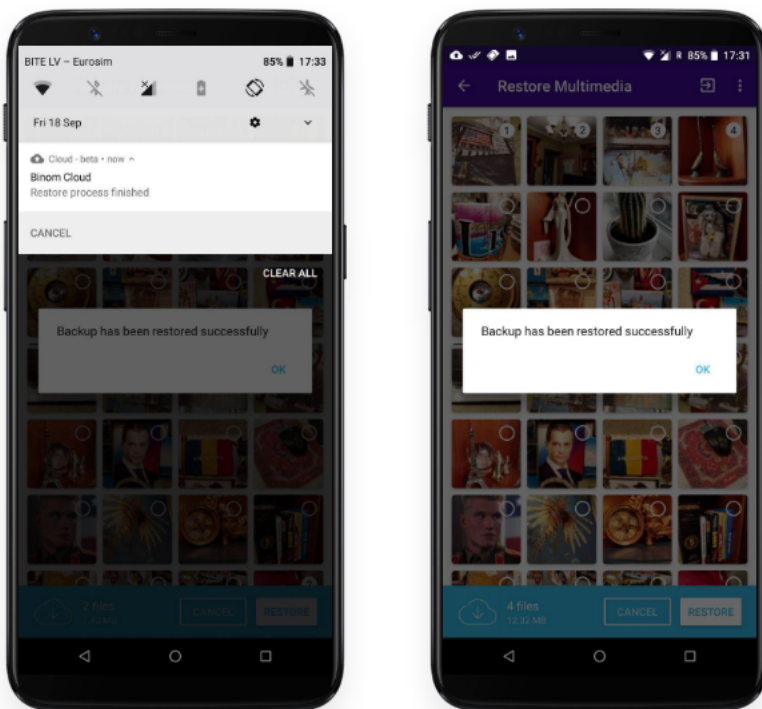
RESTORE MULTIMEDIA

You can cancel restore process at any time - just press the appropriate button in the main menu, or cancel restore in notification menu by swiping down the screen and tapping CANCEL.
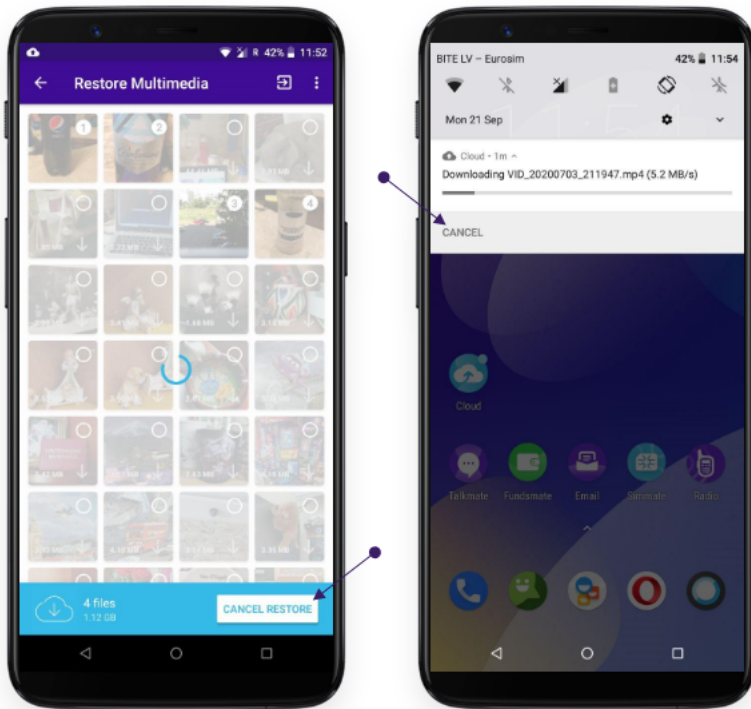
If the process is forced to stop, you will receive a notification about partial data recovery.
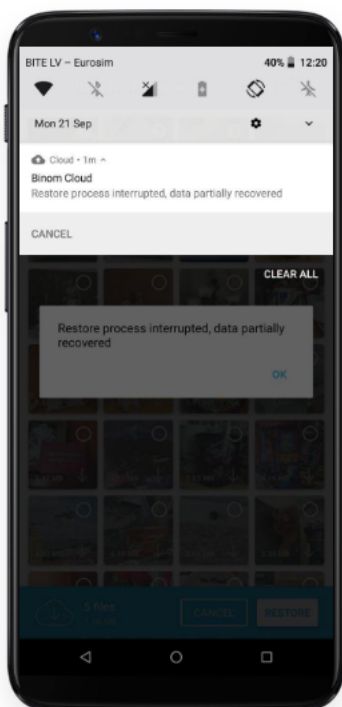
RESTORE MULTIMEDIA

You can resume restore at any time - just select the files you need and press RESTORE If there are many files, you do not have to look through the entire list, selecting those files that have not yet been sent to the device. You can select all again and start restore data as described above. The application will automatically determine those files which are already on the device and will only send those that are not in the Gallery.

Warning!
If during restore process you accidentally switch to mobile network, application will stop the process and issue a corresponding notification, unless you yourself have changed these settings (for more details, see "Settings" section).

DELETE MULTIMEDIA

Select the files you want to delete by pressing and holding your finger on the desired file. Then open the drop-down menu and choose **"Delete".**
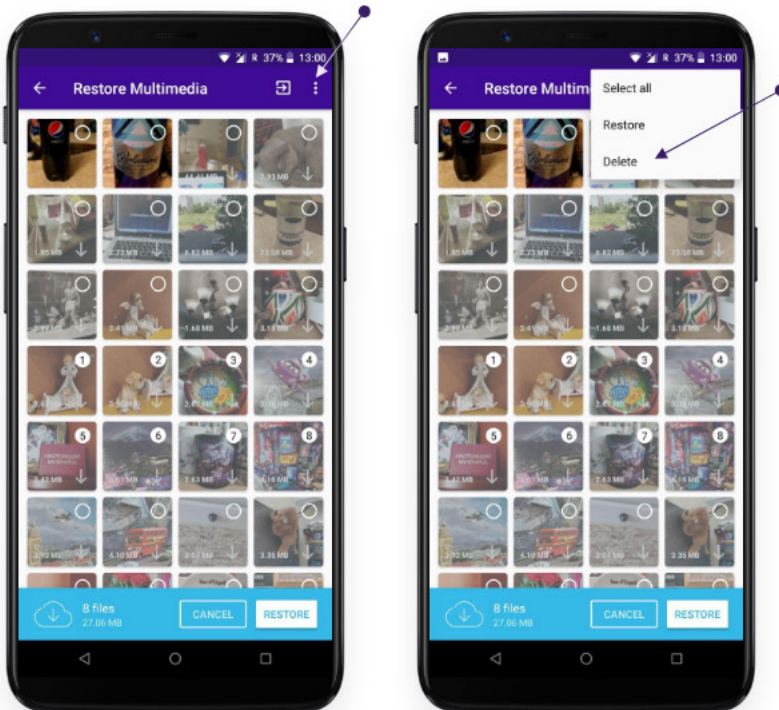
Confirm the deletion.
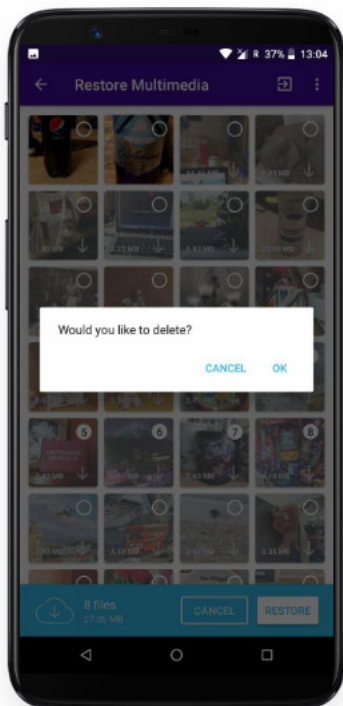
DELETE MULTIMEDIA

You can delete all files from your Cloud storage.

— open the drop-down menu

— select all

— open drop-down menu once again and press Delete

— confirm the deletion.
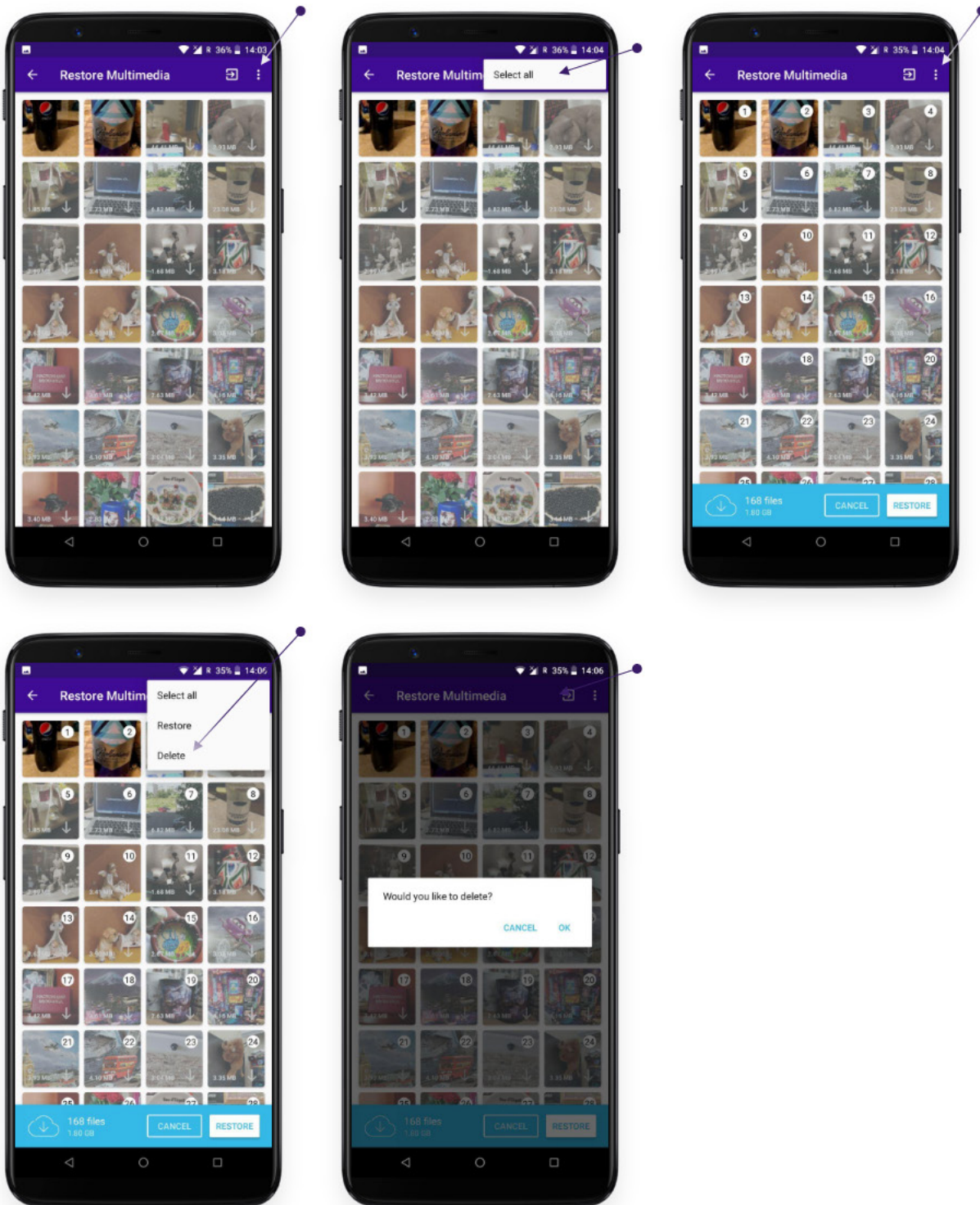
SETTINGS

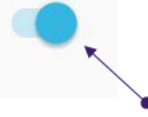You can access application settings on the third bar of dropdown menu after you tap the corresponding button ☰ .
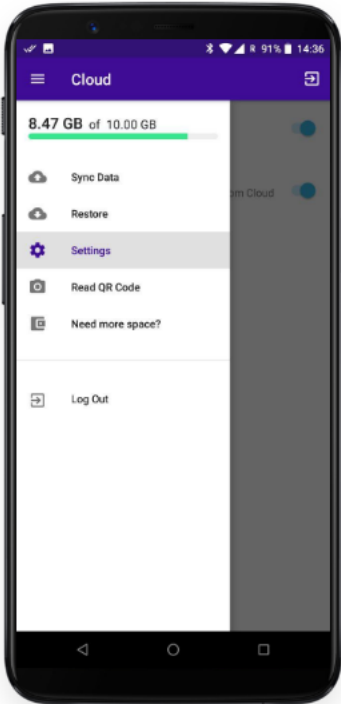
This is how main interface looks like.

SYNC VIA WI-FI

Sync via Wi-Fi
Upload and download data only via Wi-Fi

The slider on the right allows you to manage your data backup. If the slider is toggled, sending and downloading encrypted data via Binom Cloud occurs only when connected to a Wi-Fi network, regardless of the set backup frequency (see below). This allows you to avoid extra costs for mobile Internet traffic when using the application.

Sync via Wi-Fi
Upload and download data only via Wi-Fi
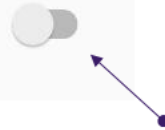
When the slider is off, data can be sent and downloaded using the mobile Internet (if you are not on a Wi-Fi connection). In both cases of data sending and restore, the application will still ask you for confirmation to avoid extra charges.
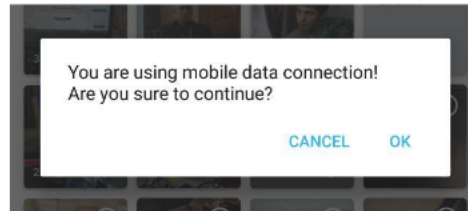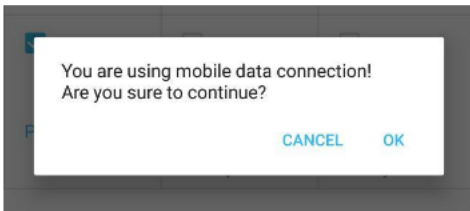
SEND REMOTE DATA IN MULTIMEDIA

Send removed data in multimedia
Would you like to send already removed from Cloud multimedia data again?

When the slider is toggled, you can re-send to the Cloud those files, which you for any reason have deleted from there before. If the slider is off, the application will not send to the Cloud those files from Gallery, which you have earlier deleted in the Cloud. Only new files that have never been uploaded to the Cloud will be sent.
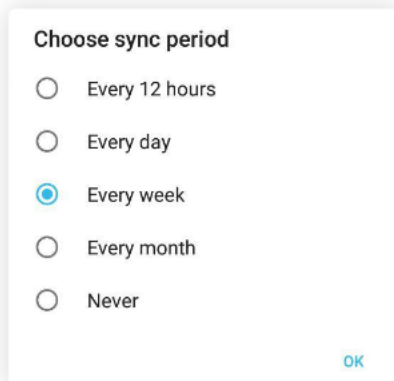
Warning!
Resending already removed data is disabled in application settings by default. If you want to send previously removed multimedia data to the Cloud, please activate the setting.

binom

SET UP BACKUP FREQUENCY
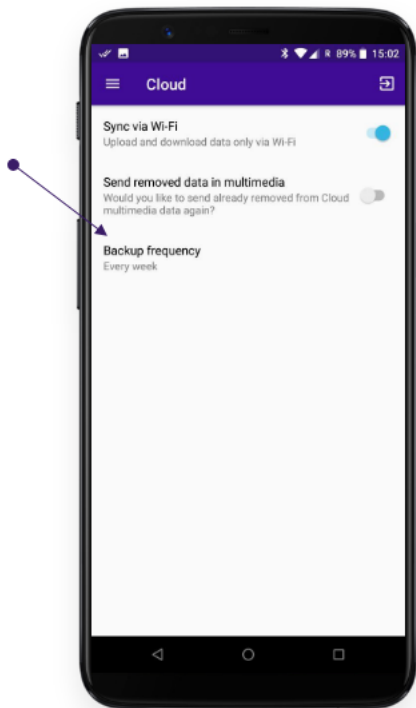
Use this menu bar to configure the automatic sending of selected data in encrypted form to the server for backup.
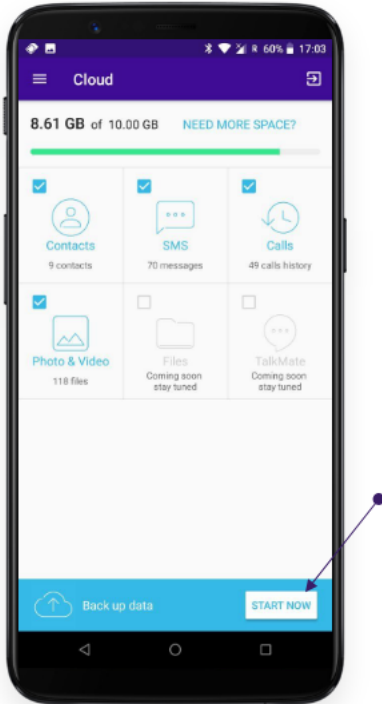

Please, choose one of the options for automatic sending of data to the server:

- **Send every 12 hours**
- **Send every 24 hours**
- **Send every 7 days**
- **Send every 30 days**
- **Force backups in manual mode**

SET UP BACKUP FREQUENCY

In the latter case select "Never" and back up data yourself, when you consider it necessary, using the interface of the main menu.

Warning!

If you activated data synchronization only via Wi-Fi, data backups will not be sent immediately after the specified back up period, but only when connected to a Wi-Fi network. The server allows you to store up to 12 backups for a certain data types (Call History, SMS, Contacts). If there are more backups, the new backups are overwritten over the old ones.

WEB INTERFACE

The Binom Cloud Web interface is accessed via a web browser using the following URL:

cloud.binom.mobi

Tap **"Read QR Code"** in dropdown menu on your mobile device.
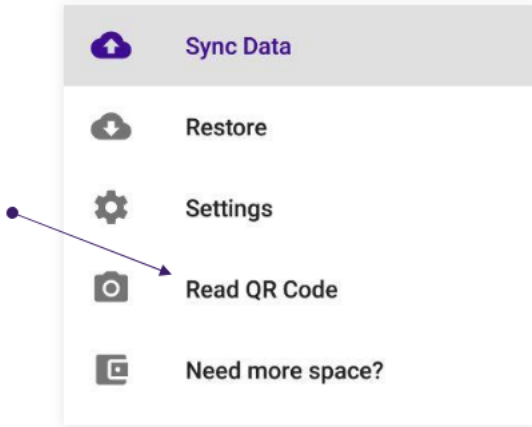
This activates the rear camera of your Binom smartphone. Read QR-code on website cloud.binom.mobi
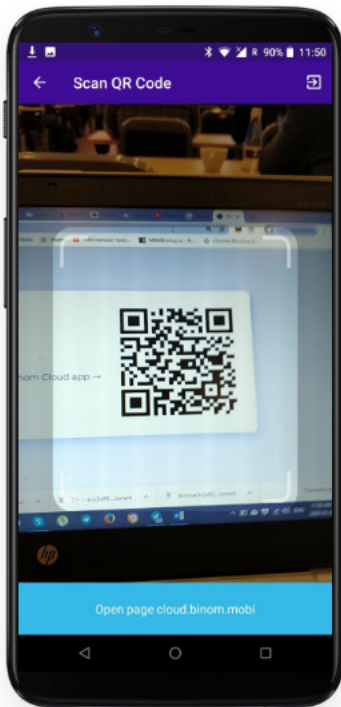
WEB INTERFACE

The QR code is a one-time password generated by time-based algorithm updated every 30 seconds. This is needed for user identification and synchronization of his data on both devices. After scanning the QR code, please enter your private key.
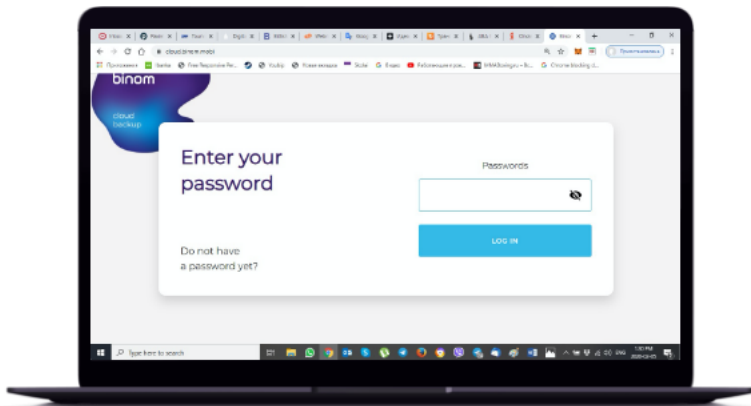
Then click "LOG IN" button key or just press Enter on the keyboard to continue.
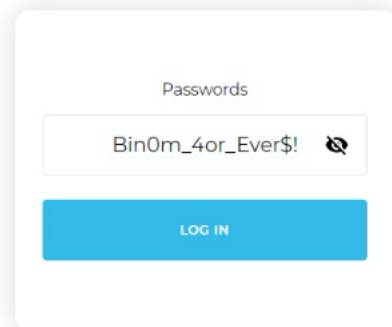
WEB INTERFACE

Thus, you can access Binom Cloud Web interface.
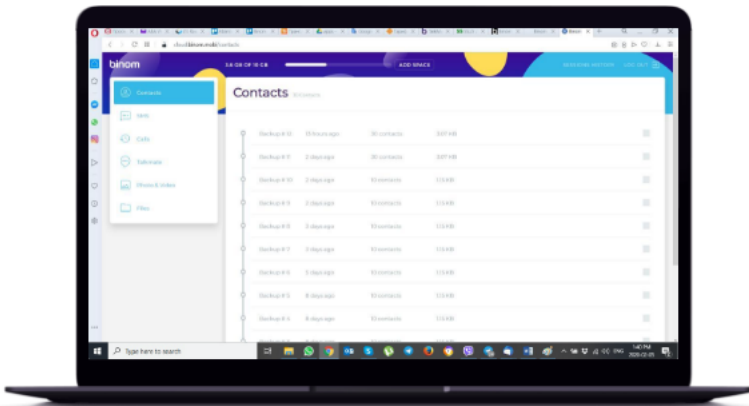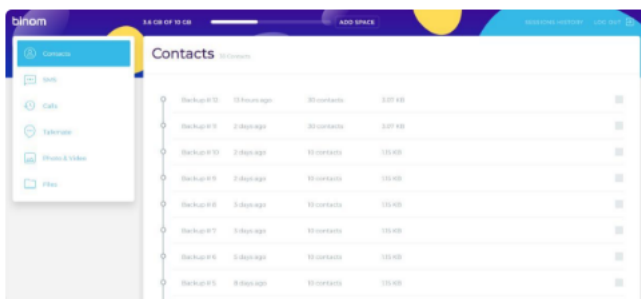
All backups are displayed in chronological order - the topmost is the newest.
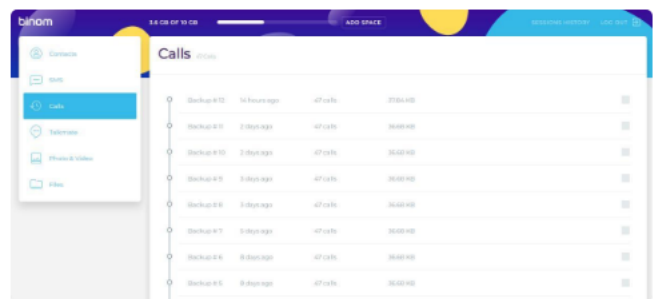
Warning!
Web interface differs from the mobile version of the application and is intended mainly to display information about the status of your backups and work with files and multimedia. Web interface does not allow backing up data or managing application settings.
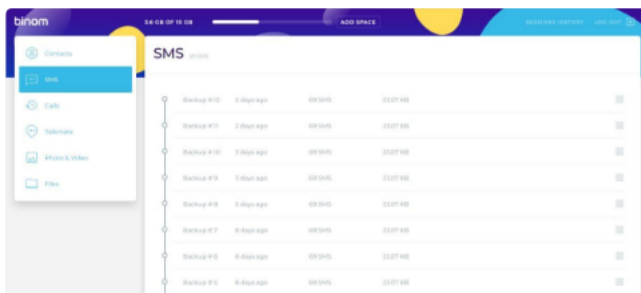
Therefore, for example, the Contacts, SMS and Calls sections only display the current backup status of the corresponding data.

WEB INTERFACE

You can see when each backup was created, its contents and memory usage.

Backup # 1	2 hours ago	18 calls	15.37 KB
Backup # 2	8 days ago	17 calls	14.76 KB

DELETING BACKUPS

Via Web version, you can delete backups of Contacts, SMS and Call history. With the mouse, select those you want to delete. After that 🗑 DELETE BACKUPS 3 appears at the top of the screen. Click on it to delete the selected data backups.
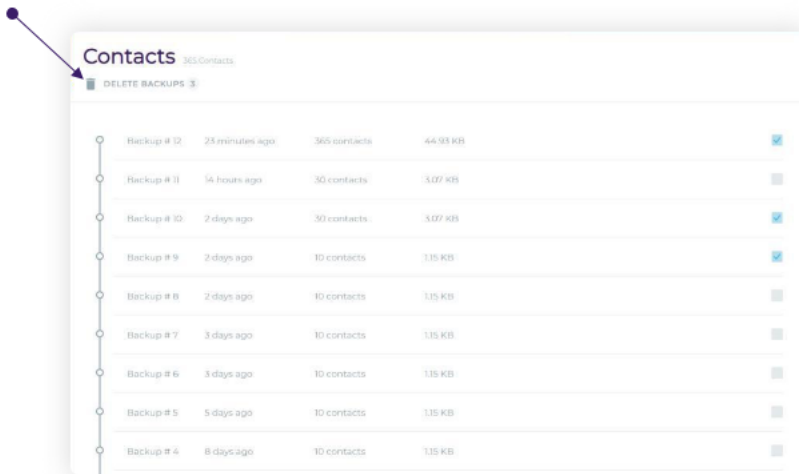

The selected backups will be deleted. You will have a few seconds to undo the deletion. Just click CANCEL button in the lower right corner of the screen.


binom
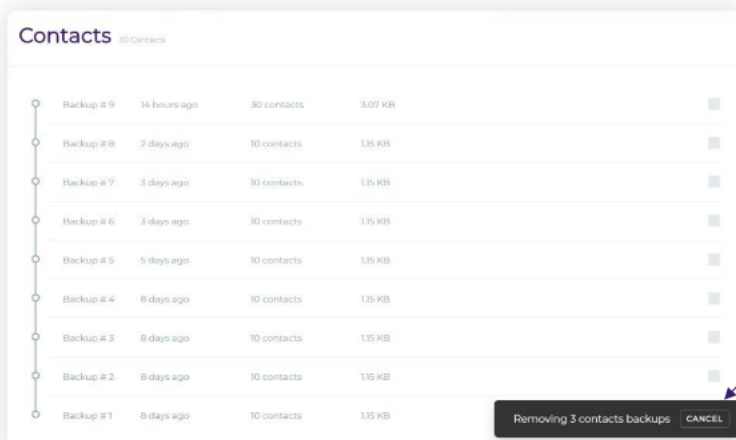
WORKING WITH MULTIMEDIA

The Photo & Video menu bar provides access to the media files of your smartphone, the encrypted copy of which you have saved in the Cloud. Files are arranged in chronological order, starting with the earliest.
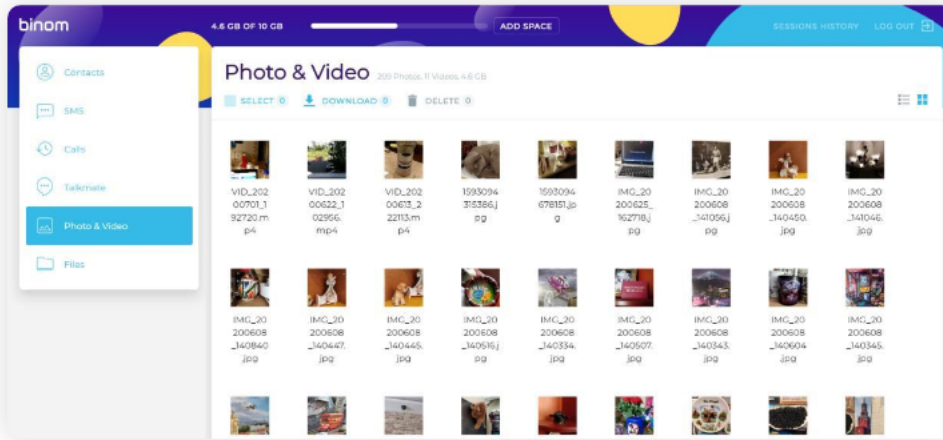
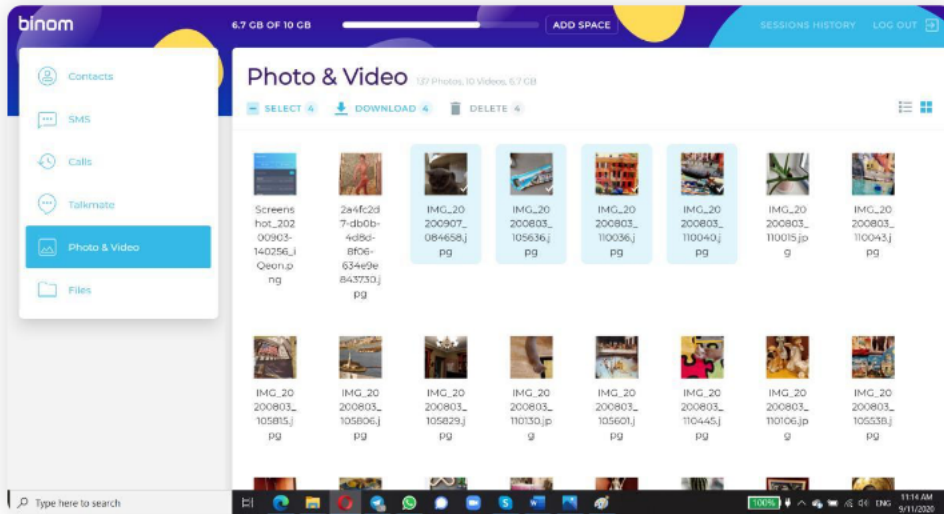The buttons in the upper right corner of the screen allow you to change files view.

When select ≣ multimedia files are displayed as a list with backup date and memory usage.
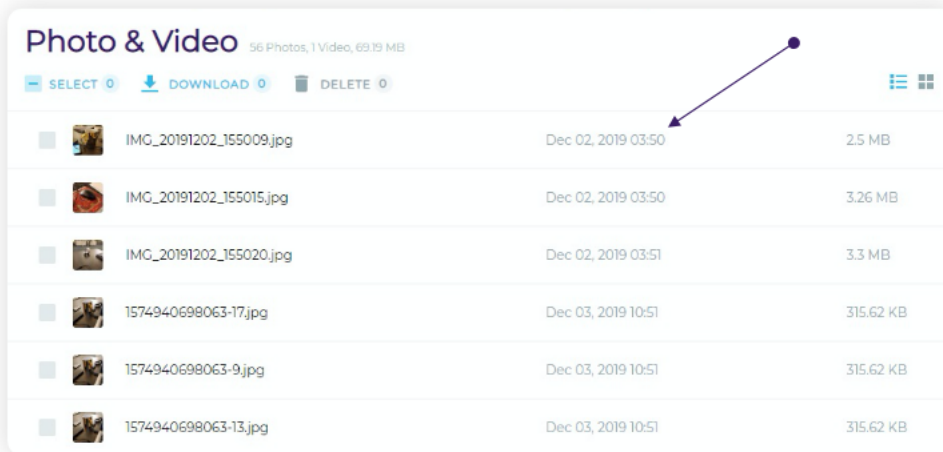
WORKING WITH MULTIMEDIA

To open / view the file, double click with the left mouse button on the selected file. A single left click allows you to select one or more files.

Click to download the selected files. If you select more than one file, the application compresses the selected files in ZIP archive format and then downloads them to the appropriate folder on your computer.
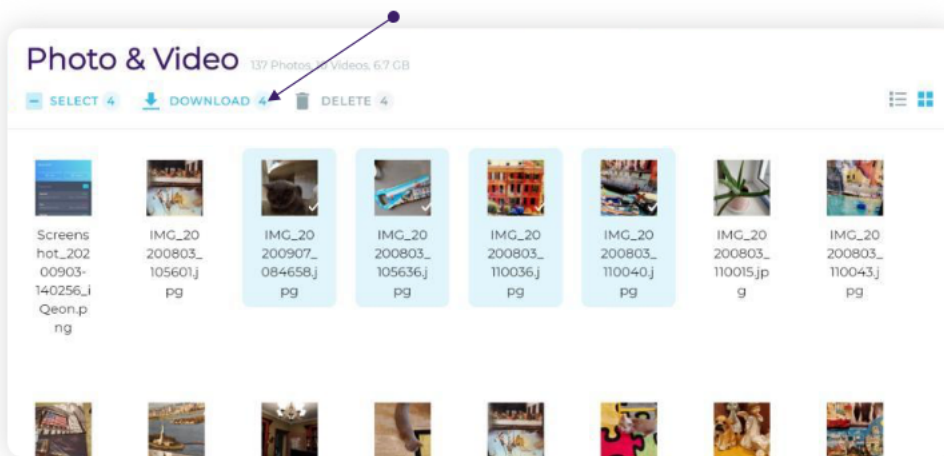
To delete the files, use the corresponding button . The application will delete the selected files. You will have a few seconds to cancel deletion, while this button is displayed in the lower right corner of the screen.
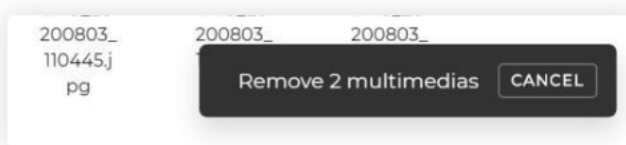
binom

TALKMATE AND FILES BACKUPS

In the following updates Binom Cloud users will be able to back up Talkmate as well as files and folders from other media of their choice (currently is under development).

SESSIONS HISTORY

To view your sessions history, click the corresponding inscription at the top of the screen.


Your history of using Binom Cloud application will be displayed in chronological order starting from the moment of the last login. Scroll down to view more.

You can see your connection method (web/mobile), connection location, IP address and connection time.
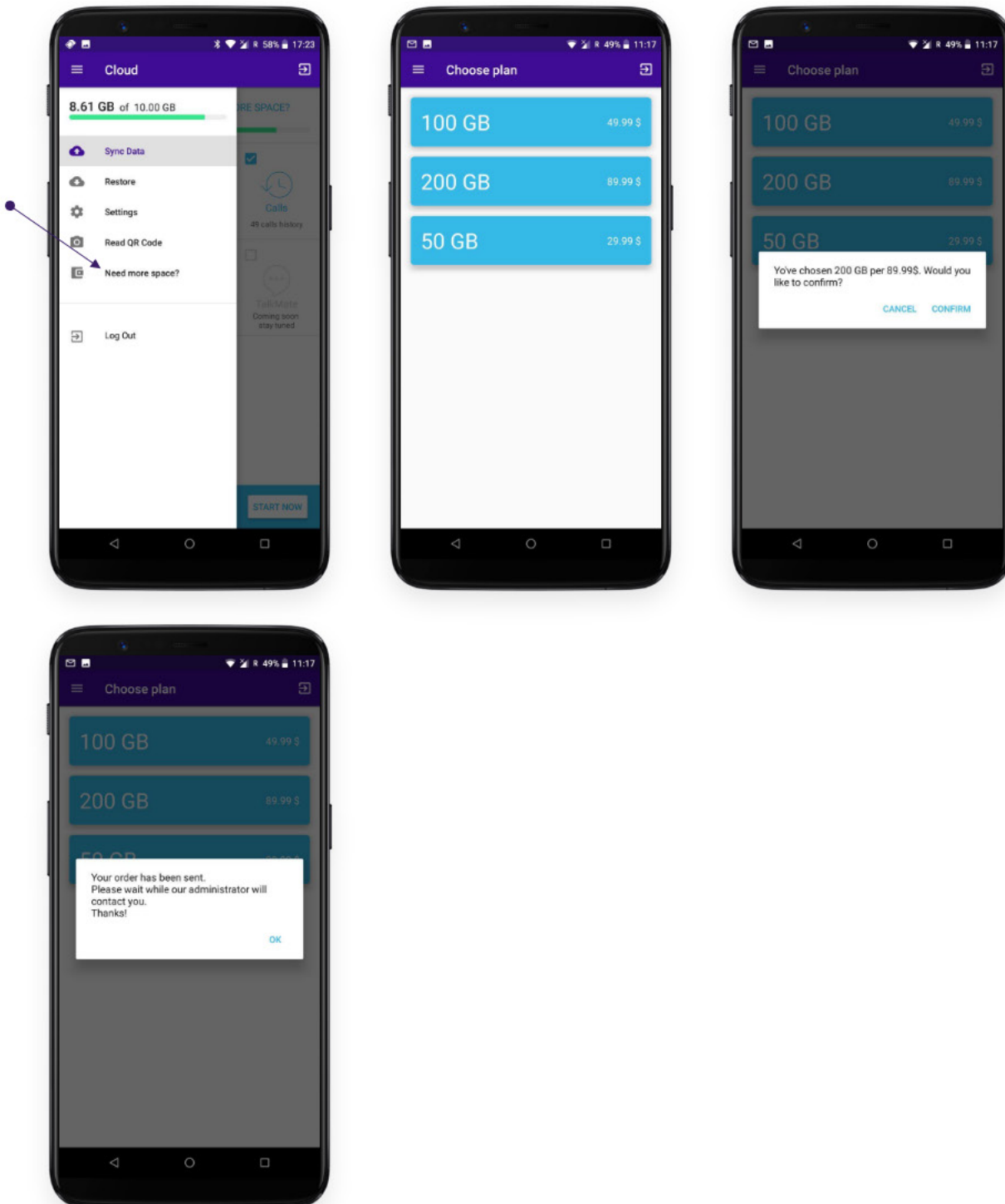
ADDING DISK SPACE

You can add disk space for your data storage. To choose a new plan click the corresponding button at the top of the screen.
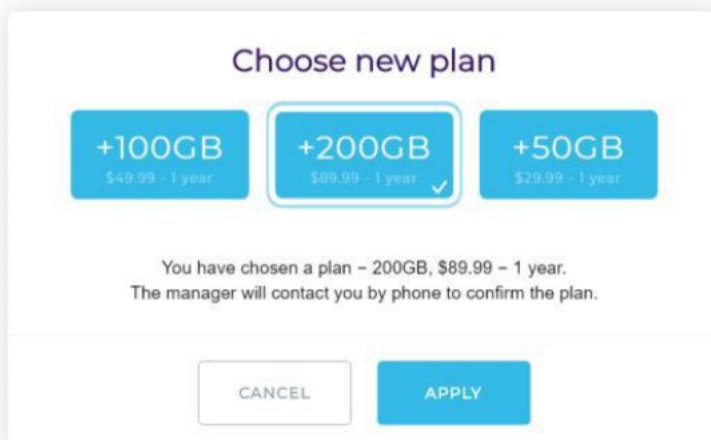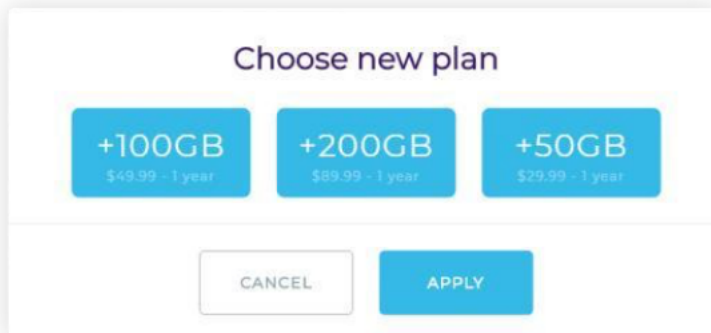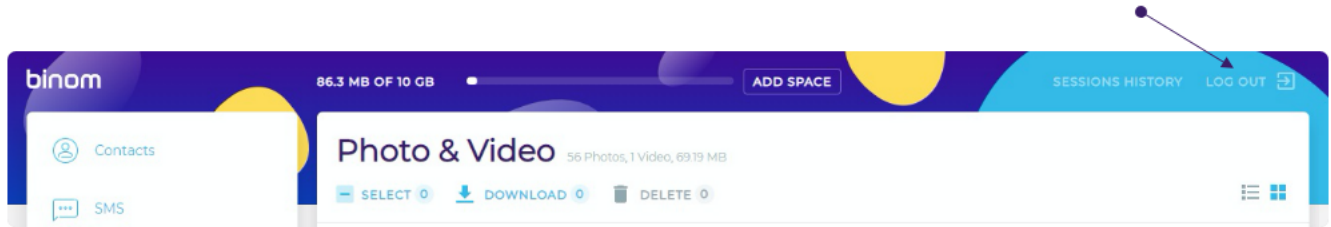
ADDING DISK SPACE

You can add disk space via mobile version of the application as well. Just choose the appropriate menu bar, select a tariff plan, and confirm your order.
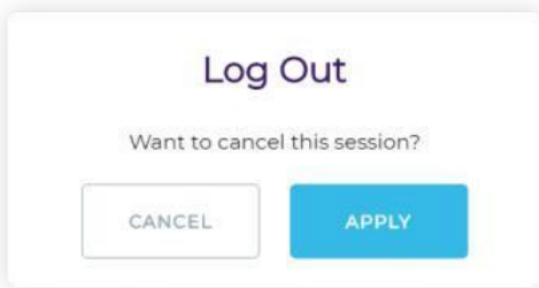
LOG OUT

EXIT WEB VERSION

To exit Web version use Log Out button in the upper right corner of the screen.


Confirm your intention to log out.

After exit, the QR code, updated every 30 seconds will again appear on cloud.binom.mobi web page. You can reconnect to Web interface in the manner described above.

LOG OUT

EXIT MOBILE APP

To exit Binom Cloud tap the corresponding icon 🔁 , which is constantly present in the upper right corner of the screen. You can also use the corresponding dropdown menu bar.
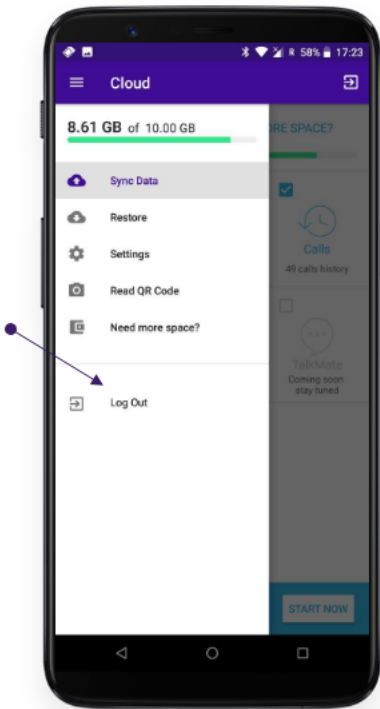
After logging out, you will need to enter your private key again and set a PIN-code to access the application.

Warning!
If you log out, the session with your private key will be finished When you quit the app, no data backup will occur until you login again!

You can simply minimize the application by tapping the central button on your smartphone. You can just close the app in the list of running programs. In this case, at the next application start, you will have to enter only PIN code, not private key.

binom
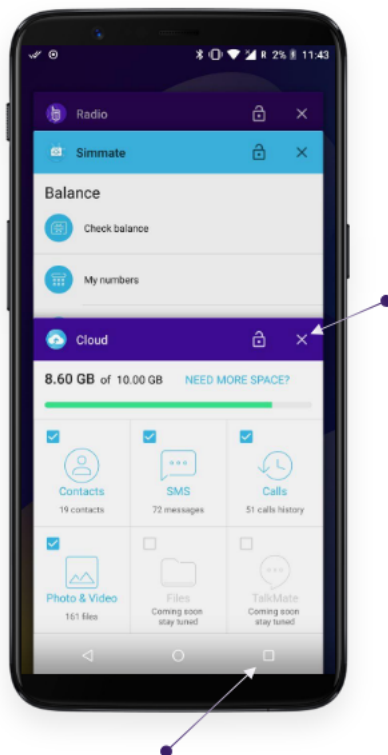
WHAT IF I FORGOT MY PIN-CODE OR PRIVATE KEY?

If you have forgotten your PIN-code, you can always log in to the application using a private key. Tap the inscription Forgot PIN code? and confirm your intention to quit the application. Then enter your private key and reset the PIN-code.
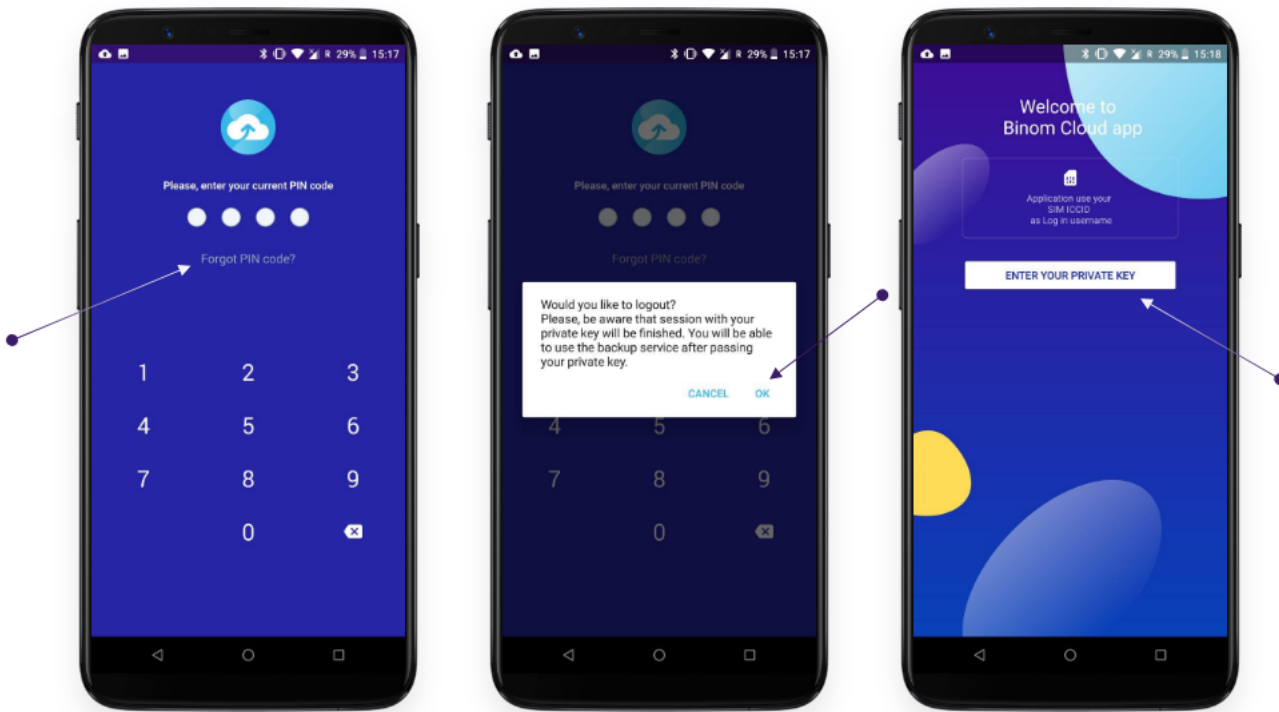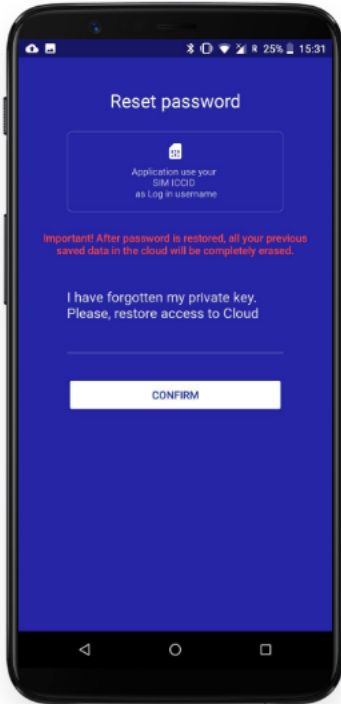

If you have forgotten your private key, you can send a request to renew your account. If you entered the wrong private key 5 times, the "RESET PASSWORD" button will appear.

binom
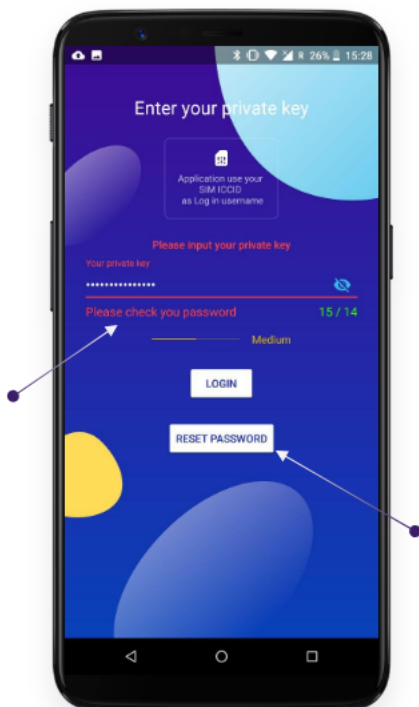
WHAT IF I FORGOT MY PIN-CODE OR PRIVATE KEY?

Use it to send a request to administrator to restore access to the application. You can add a comment, then confirm sending the request.

Your request will be processed by system admin, who will delete your current Binom Cloud account along with all data. After that, when starting the application, you will need to come up with your new private key, enter it and set the PIN-code.

Warning!

After re-accessing the application, you can create only new data backups. All previous data stored in the Cloud and encrypted with former key will be permanently deleted. Remember or write down your private key, as this is the only access to your data stored in Binom Cloud.