

# Decode File Client

## Software Guide

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## Introduction

The Illumina® Decode File Client lets you download and view DMAP files for use with Illumina BeadChip readers. The Decode File Client requires internet access and permission to write files to a folder chosen by the user upon download.

Start the Decode File Client on one of two modes: Access by Account and Access by BeadChip. For more information on the two modes, see *Running the Decode File Client* on page 3.

## Requirements and Installation

The following subsections describe the minimum operating requirements and installation instructions for Decode File Client. Decode Installation requires a user with administrator privileges. Use of the application requires a MyIllumina account.

### Requirements

- ▶ Windows 7 64-bit or Windows Server 2008 64-bit
- ▶ Intel Core 2 Quad Q8400 2.66 GHz
- ▶ 8 GB
- ▶ 30 GB free hard drive space

Additionally, Illumina recommends that virus protection software be installed on the computer where the Decode File Client is to be installed and run.

### Installation

- 1 Download the application bundle from the Decode File Client page on the Illumina support site.
- 2 After the file has downloaded, execute it to start the installation wizard.
- 3 Follow the prompts in the installation wizard. After installation is complete and you close the installation wizard, the Decode File Client is installed.



#### NOTE

If you already have an older version of the Decode File Client installed, do not uninstall it before installing the new version. Use the installer to upgrade your current version.

## Running the Decode File Client

The Decode File Client supports two access modes to allow users to look up DMAP files using the information they have available: Access By Account and Access by BeadChip. After you log in to the application, select an access mode.

### Access by BeadChip

In Access by BeadChip mode, you can access the Main, Download Status and Log, and Help tabs.

- ▶ **Main tab** – Find and download BeadChip DMAP files.
- ▶ **Download Status and Logs tab** – View download progress and status, abort the download, and save a download log to a file.

- ▶ **Help tab** – Read the end user help for the Decode File Client.

Identify BeadChips using two of four possible identifiers:

- ▶ BeadChip barcode
- ▶ BeadChip box ID
- ▶ Purchase order number
- ▶ Sales order number

The Primary Field determines which BeadChips will be downloaded. For small numbers of BeadChips, it is best to enter individual barcodes or box IDs. For large numbers of BeadChips, it is best to enter the purchase order number or Illumina sales order number.

The type of information you select in the Verification dropdown must be different from the type you select in the Primary dropdown. For example, if you select BeadChip barcodes in the Primary dropdown, you must choose something other than barcodes in the Verification Field dropdown list.

The two types of information you select must link to one another. For example, if you enter a BeadChip barcode in the Primary text box and then enter a purchase order number in the Verification text box, the BeadChip barcode must be included on the purchase order.

All information must be entered correctly and match as described above, or no files will be found.

## View Available DMAP Files

- 1 In the **Primary Field** dropdown list, select the appropriate option.
- 2 In the **Primary Field** text box, enter the appropriate values. If you have multiple barcodes, separate them with commas.
- 3 **[Optional]** Enter a ship date range and/or select the **Only Files Not Yet Downloaded** checkbox.
- 4 In the **Verification Field** dropdown list, select an option. You may not select the same option as the one you are using for the Primary Field.
- 5 In the **Verification Field** text box, enter the data for the verification method you chose.
- 6 Select **Find**. The Decode File Client displays a list of available BeadChip barcodes.

## Access by Account

Access by Account mode lets you download any DMAP files that you have purchased within the last 12 months through your MyIllumina account.

In Access by Account mode, you can access the Main, Download Status and Log, Alerts, SMTP Test, and Help tabs.

- ▶ **Main tab**– Find and download BeadChip DMAP files.
- ▶ **Download Status and Logs tab** – View download progress and status, abort the download, and save a download log to a file.
- ▶ **Alerts** – View and manage alerts and email notifications.
- ▶ **SMTP Test** – Set SMTP parameters for alerts messaging.
- ▶ **Help** – Read user help for the Decode File Client.

## View Available DMAP Files

- 1 On the Main tab, select one of the following options.
  - ▶ **AutoPilot**— Automatically checks for new DMAP files and downloads them as they become available. AutoPilot is set to check for new BeadChip decode files every 24 hours. To use AutoPilot, you need to specify your SMTP server (using the SMTP Test tab) and set up an alert (using the Alerts tab).
  - ▶ **All my BeadChips** —Displays a list of all BeadChip serial numbers that you have ordered and that are available for download.
  - ▶ **All my BeadChips that have not been downloaded** — Displays all serial numbers that have not yet been downloaded.
  - ▶ **BeadChips by Purchase Order** —Displays all of the serial numbers that are associated with a specific PO # and are available for download.
  - ▶ **BeadChips by barcodes**— Displays only the serial numbers for barcodes entered in the dialog. You can copy and paste or scan barcodes directly into the dialog box.
- 2 Enter one or more purchase order numbers or barcodes.  
 If you are searching using multiple purchase order numbers, separate the order number using commas.  
 If you are searching using multiple barcodes, enter one per line.
- 3 Select **Find**. The Decode File Client displays a list of available BeadChip barcodes.

## Configure Alerts

You can configure alerts by selecting AutoPilot on the Main tab. Alerts can be sent for the following events:

- ▶ Job start
- ▶ Job finish
- ▶ Error

Set up alerts by entering email addresses in the table and selecting a notification for each type. If you wish to set up multiple notifications for one email address, you must enter the email address multiple times and select a notification type for each address.

## Selecting and Downloading BeadChip DMAP Files

Before downloading BeadChip DMAP files, make sure that you have enough free space on your computer and that you have permission to write files to the desired destination. If you need assistance with setting permissions, email Illumina Technical Support. To download the DMAP files from the list of found BeadChips:

- 1 Select the checkbox beside each BeadChip that you want to download, or select **Select All** to download all.
- 2 Select **Browse**.
- 3 Select the destination to which you want to save the DMAP files.
- 4 Select **Start Download**. The Decode File Client download status window opens and shows the progress of the download.
- 5 After the download is complete, select **OK** in the pop-up window.

- 6 To keep a record of the download process, select **Save Log to File**, browse to the desired location, and select **Save**.

**NOTE**

You can download files for additional chips by clicking the Main tab and entering search criteria. When you are finished, close the application.

## Troubleshooting

- ▶ If the software fails to complete an analysis, review the log file in the Logs folder for missing input files or corrupt files. If a BCL, LOCS, or FILTER file is the problem, make sure that strict-mode is set to false.
- ▶ If the software cannot process TruSeq Small RNA samples, set the MinimumTrimmedReadLength and the MaskShortReads to a lower value and overwrite the default values.

## Revision History

Document	Date	Description of Change
Document # 11337856 V01	February 2020	Updated document style to current style. Removed obsolete information regarding Myllumina account. Removed redundant information on logging into Myllumina account from steps. Removed descriptions of visual attributes of software.

## Technical Assistance

For technical assistance, contact Illumina Technical Support.

Website: [www.illumina.com](http://www.illumina.com)  
 Email: [techsupport@illumina.com](mailto:techsupport@illumina.com)

### Illumina Customer Support Telephone Numbers

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North America	+1.800.809.4566	
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Belgium	+32 80077160	+32 34002973
China	400.066.5835	
Denmark	+45 80820183	+45 89871156
Finland	+358 800918363	+358 974790110
France	+33 805102193	+33 170770446
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**Safety data sheets (SDSs)**—Available on the Illumina website at [support.illumina.com/sds.html](http://support.illumina.com/sds.html).

**Product documentation**—Available for download from [support.illumina.com](http://support.illumina.com).



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