

# Decode File Client User Guide

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## Getting Started

The Illumina Decode File Client enables you to download DMAP files for use with Illumina BeadChip readers. The Decode File Client requires internet access and permission to write files to a repository folder path that you will define. The Decode File Client uses standard http protocol.

You can start the Decode File Client on one of two modes: Access by Account and Access by BeadChip. The workflows for both modes are very similar.

## Workflow Overview

This section provides a high level view of the workflow for the two Decode File Client modes. For details, see the appropriate section for each mode.

### Preliminary Steps

1. Create a MyIllumina account (if you do not already have one). Go to [icom.illumina.com](http://icom.illumina.com), and follow the prompts for New Customer.
2. Ensure that the computer you wish to use meets minimum system requirements.
3. Download and install the Decode File Client utility.

### Using the Decode File Client in Access by Account Mode

1. On the Main tab, select a download option.
2. If you select AutoPilot, create an alert on the Alerts tab and enter your SMTP information on the SMTP Test tab.
3. Enter the required information.
4. Find DMAP files.
5. Select the DMAP files that you want to download.
6. Start the Download.
7. View download status on the Download Status and Log tab.

### Using the Decode File Client in Access by BeadChip Mode

1. Enter the required information.
2. Find DMAP files.
3. Select the DMAP files that you want to download.
4. Start the Download.
5. View download status on the Download Status and Log tab.

## Creating a MyIllumina Account

If you do not already have the Download File Client installed, you will need to download it from [Illumina.com](http://Illumina.com). To do this and to use the client, you will need an active MyIllumina account. To create a My Illumina account, do the following:

- 1 Go to [www.illumina.com](http://www.illumina.com).

- 2 Click **MyIllumina**. The Account Login window opens.
- 3 In the New Customer pane, click **Register Now**. The Create an Account window opens.
- 4 Fill in the requested information.
- 5 Click **Register**. A Registration Confirmation message will appear stating that you will receive an email confirming that your login is active.
- 6 Check for an email confirmation message from Illumina Customer Service, and note the user name and password that it contains. The confirmation email should arrive within minutes after you register for your MyIllumina account. Click the link in the email to verify your registration.

## Computer System Requirements

The computer on which you install and run the Decode File Client must meet the following minimum requirements:

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

In addition, Illumina recommends that virus protection software be installed on the computer where the Decode File Client will be installed and run.

## Downloading the Decode File Client

Before you can download DMAP files, the Decode File Client must be installed on your computer.

To install the software, do the following:

- 1 Go to the [www.illumina.com](http://www.illumina.com) and log on to My Illumina.
- 2 Search on "Decode File Client".
- 3 In the search results, click Downloads.
- 4 Click the Decode File Download software.
- 5 Download the Decode File Client .msi file. A dialog box will open and offer you the options of running or saving the file.
- 6 In the File Download dialog box, select **Save**, and save the client to your desktop. Start the installation process by executing the .msi file. The Illumina Decode File Client installation wizard will open.  
**NOTE:** Illumina strongly recommends that you download the .msi file before attempting to install the client.  
**NOTE:** If you already have a version of the Decode File Client installed, do not uninstall it before installing the new version. Use the installer to upgrade your current version.
- 7 Follow the prompts in the installation wizard. When installation is complete and you close the installation wizard, the Decode File Client is installed. You can launch the application from **All Programs | Illumina | Decode File Client** or from the new shortcut on your desktop.

**NOTE:** The installation may take several minutes if .NET 4.0 is not already installed on your computer. As part of the Decode File Client download process, Illumina supplies a .NET 4.0 installer that will run automatically if .NET 4.0 is not detected on your computer.

## Starting the Decode File Client

The Decode File Client supports two workflows: Access By Account and Access by BeadChip. Access by BeadChip Mode options will be different from Access by Account mode options. For either mode, you must have a MyIllumina account. When you launch the application, Access by BeadChip will be selected by default. To start the Decode File Client, do the following:

- 1 Select the Decode File Client shortcut on your desktop. The Decode File Client Login window opens.
- 2 Enter your MyIllumina account user name and password.
- 3 Click **Login**.
- 4 The Decode File Client main window opens. Access by BeadChip Mode options will be different from Access by Account mode options.
- 5 You are now ready to download files; see the section titled Identifying BeadChips.

## Finding BeadChip DMAP Files in Access by BeadChip Mode

Access by BeadChip enables you to download DMAP files by concurrently using two forms of BeadChip identification.

### Access by BeadChip Mode Tabs

In Access by BeadChip mode, you will be able to see and use the Main, Download Status and Log, and Help tabs:

- **Main tab:** Enables you to find and download BeadChip DMAP files.
- **Download Status and Logs tab:** Enables you to view download progress and status, abort the download, and save a download log to a file.
- **Help tab:** Enables you to read the end user help for the Decode File Client.

In Access by BeadChip mode, you can identify BeadChips in two of four ways:

- 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 Field dropdown list must be different from the type you select in the Primary Field dropdown list. For example, if you select BeadChip

barcodes in the Primary Field dropdown list, 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 Field text box and then enter a purchase order number in the Verification Field text box, the BeadChip barcode must be included on the purchase order.

If either field is entered incorrectly or the two fields do not match as described above, no files will be found.

## View Available DMAP Files

- 1 In the **Primary Field** dropdown list, select the option that you wish to use.
- 2 In the Primary Field text box, enter the appropriate values. If you have multiple barcodes, separate them with commas.
- 3 If you wish, 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. Note that 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 Click **Find**. The Decode File Client displays a list of available BeadChip barcodes.

## Finding BeadChip DMAP Files in Access by Account Mode

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

### Access by Account Mode Tabs

In Access by Account mode, you will be able to see and use the Main, Download Status and Log, Alerts, SMTP Test, and Help tabs:

- **Main tab:** Enables you to find and download BeadChip DMAP files.
- **Download Status and Logs tab:** Enables you to view download progress and status, abort the download, and save a download log to a file.
- **Alerts:** When AutoPilot is selected on the Main tab, enables you to enter contact names and email addresses to which messages will be sent based on the parameters you select. You can have Decode File Client send you email notifications for the following conditions: job start, job finish, and errors. Each line in the table enables you to send out a message to one email for one type of condition. If you want to send emails to multiple email addresses, you can add multiple email addresses. If you want to send emails for different conditions to the same email address, you can enter the email address several times and select one condition for each instance.
- **SMTP Test:** Enables you to set SMTP parameters for alerts messaging.
- **Help tab:** Enables you to read the user help for the Decode File Client.

## View Available DMAP Files

- 1 On the **Main** tab, select one of the following options:

Option	Use
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 will need to specify your SMTP server (using the SMTP Test tab) and set up an alert (using the Alerts tab).
All my BeadChips that have NOT been downloaded	Displays all serial numbers that have not yet been downloaded
All my BeadChips	Displays a list of all BeadChip serial numbers that you have ordered and that are available for download
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 may copy and paste or scan barcodes directly into the dialog box.

- 2 If you have selected BeadChips by Purchase Order or BeadChips by barcode, enter one or more purchase order numbers or barcodes respectively. If you have multiple purchase order numbers, enter them in the text box, separated by commas. If you have multiple barcodes, enter one per line.
- 3 Click **Find**. The Decode File Client displays a list of available BeadChip barcodes.

## Selecting and Downloading BeadChip DMAP Files

Before downloading BeadChip DMAP files, ensure that you have enough free space on your computer's download destination.

To download the DMAP files from the list of found BeadChips, do the following:

- 1 Select the checkbox beside each BeadChip decode file that you want to download, or click **Select All** to download all.
- 2 Click **Browse**.
- 3 Select the destination at which you want to save the DMAP files.

**NOTE:** Before starting the download process, ensure that you have permission to write files to the desired destination. Contact your local IT support person if you need assistance with setting permissions.

- 4 Click **Start Download**. The Decode File Client download status window opens and shows the progress of the download.
- 5 Once the download is complete, click **OK** in the pop-up window.
- 6 If you want to keep a record of the download process, click **Save Log to File**, browse to the desired location, and click **Save**.

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