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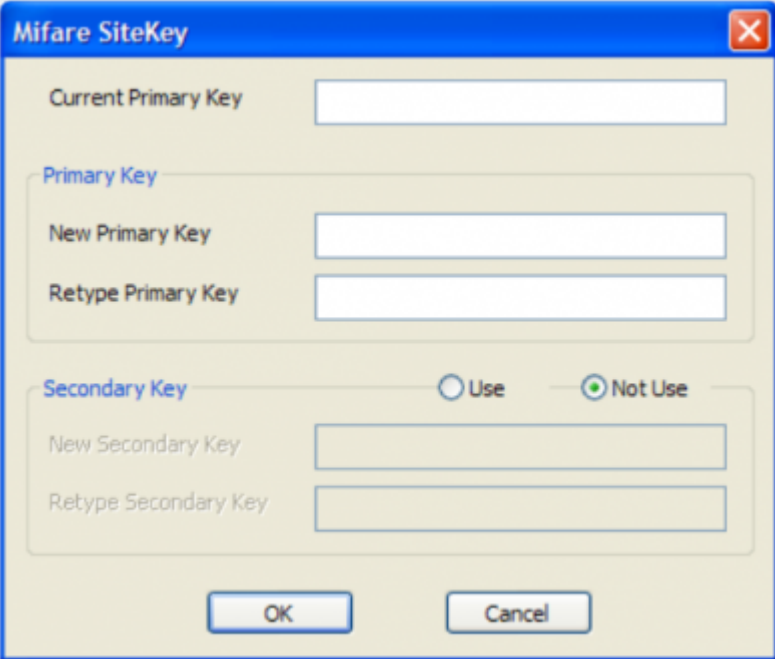
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BioStar 1, MIFARE, Site key

## How to configure Mifare Site Key

Mifare and iCLASS smart cards require cryptographic keys to encrypt data stream communication between cards and card readers. You can set the site key on BioStar Client. Only when the key stored in the reader matches the key stored in the card, the encrypted data is properly decrypted.

Go to **Option > Mifare Sitekey** or **iCLASS Sitekey**. This brings up the site key setting dialog as shown in the figure below:



The screenshot shows a dialog box titled "Mifare SiteKey". It has a blue title bar with a close button (X) on the right. The dialog is divided into sections. The first section is "Current Primary Key" with a text input field. Below that is a section titled "Primary Key" containing "New Primary Key" and "Retype Primary Key" text input fields. Below that is a section titled "Secondary Key" with two radio buttons: "Use" (unselected) and "Not Use" (selected). Below the radio buttons are "New Secondary Key" and "Retype Secondary Key" text input fields. At the bottom of the dialog are "OK" and "Cancel" buttons.

- **Current Primary Key:** Enter the current primary site key. If you haven't set it, just leave it blank.
- **New Primary Key:** Enter a key you want to use as a primary cryptographic key.
- **Retype Primary Key:** Enter the new primary key again.
- **Secondary Key:** Enter a key you want to use as a secondary cryptographic key. If you set the secondary key, the reader will also try the secondary key when the primary key doesn't match a key in a card. The secondary key can be set as a site key of old cards to allow users with old cards to gain access.

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