**Kamtro Bot Documentation**

Table of Contents

1. Introduction
   1. Contact
2. Commands
   1. General Commands
   2. Moderator Commands
   3. Admin Commands
   4. Secret Commands
   5. Test Commands
3. Features
4. Error List
5. Code
   1. Format & Structure
   2. Classes
   3. Functions
   4. Global Variables & Constants
6. Future Goals
7. References
8. Credits

# Introduction

Kamtro bot is a Discord bot developed for the Discord Kamtropolis server. The Discord Kamtropolis server is a community created for fans of Kamex and RetroSpecter to talk, share, and bond with each other and directly to Kamex and Retrospecter themselves. Kamtro bot was made to help with moderating the server, automatically change and assign roles to members, and make the server more fun and enjoyable.

Kamtro bot is now an ongoing project to help keep the server an organized and fun community to be in. The core developers of the bot are Arcy (An Awkward Arcanine#2448) and Carbon (Carbon#1959). We are constantly working and improving on the bot’s efficiency, as well as developing new features that the users in the server can enjoy.

## Contact

The Github Repository can be found here: <https://github.com/DavidXLiu/Kamtro-Bot>

If there is any matter that needs to be discussed about Kamtro bot, you can contact me through Discord or by e-mail.

Discord Tag: **An Awkward Arcanine#2448**

E-mail: **dxl4041@rit.edu**.

# Commands

## General Commands

**AddRole**

Aliases: Add | Give | Give Me

Parameters: (String) [Role]

Description

Add Role assigns a DiscordSocketRole to the user. The role must be set as a **Modifiable Role** within the bot’s configuration file, otherwise Kamtro bot will not assign the role to the user. If the user already has the role designated, then Kamtro bot will inform the user that they already have that role.

Change Log

**Version 0.5.0**

* AddRole command was created.

**CoinFlip**

Aliases: Coin | CF

Parameters: *N/A*

Description

Coin Flip will randomly choose between heads or tails. Kamtro bot will respond with a 50% chance between saying “Heads.” or “Tails.” in the channel the command was used.

Change Log

**Version 0.5.0**

* CoinFlip command was created.

**Help**

Aliases: H | Help Me | Commands

Parameters: *N/A*

Description

Help sends an Embed as a direct message to the user. The user can use interactions to navigate through the help pages about all the commands that Kamtro bot offers. The help pages may not display all commands depending on whether the user is considered a moderator or administrator. The help pages also do not display any of the secret commands.

Change Log

**Version 0.5.0**

* Help command was created.

**Profile**

Aliases: P | User Profile

Parameters: (String) [User]

Description

Profile sends an embed that contains information of the specified user. They are a way to show other user’s their accomplishments or dedication to the server. This command can be used without parameters to check the user’s own profile.

Change Log

**Version 0.5.0**

* Profile command was created.

**RemoveRole**

Aliases: Remove | De-

Parameters: (String) [Role]

Description

Remove Role removes a DiscordSocketRole from the user. The role must be set as a **Modifiable Role** within the bot’s configuration file, otherwise Kamtro bot will not remove the role from the user. If the user does not have the role, then Kamtro bot will inform the user that they do not have that role.

Change Log

**Version 0.5.0**

* RemoveRole command was created.

**Rep**

Aliases: Give Rep

Parameters: (String) [User]

Description

Rep is short for Reputation Points. Reputation Points are numbers that are kept under a user’s data to be displayed on their profile. They can be obtained by another user giving them their Reputation Points for the week. Every user gets up to three Reputation Points per week. This command can be used without parameters for a user to check how many reputation points they have left to use for the current week.

Change Log

**Version 0.5.0**

* Rep command was created.

**Roles**

Aliases: Role

Parameters: *N/A*

Description

Roles will display an Embed that contains the entire list of **Modifiable Roles** in the server. Users can use interactions to select which role from the list they would like to add or remove.

Change Log

**Version 0.5.0**

* Roles command was created.

**Roll**

Aliases: Dice | Roll Dice

Parameters: (String) [ (Int) [Dice Amount] D (Int) [Dice Sides] ]

Description

Roll will randomly generate a set of numbers and send a message of those numbers in the channel the command was used. The numbers generated depends on what was specified in the parameters. The dice amount resembles how many numbers will be sent, and the dice sides resembles the range from 0 to the amount specified for each of the numbers generated. The dice amount cannot exceed past 10 for the purpose of preventing spam, and the dice amount cannot be negative since you cannot roll a negative amount of dice. However, negative dice sides will still work and return a set of negative numbers.

Change Log

**Version 0.5.0**

* Roll command was created.

**SetColor**

Aliases: SPC | Set Profile Colo(u)r | Set Colo(u)r

Parameters: (String) [Hex Code] | (Int) [Red Value] (Int) [Green Value] (Int) [Blue Value]

Description

SetColor will change the user’s current color displayed on their profile’s Embed to the designated color. The color can be interpreted as either a hex code value, or RGB values.

Change Log

**Version 0.5.0**

* SetColor command was created.

**SetQuote**

Aliases: SQ | Set Profile Quote

Parameters: (String) [Quote]

Description

SetQuote will take the user’s specified string and store it in their profile data. The quote will be displayed on the user’s profile Embed from then on. SetQuote transfers the string directly from the saved file to the Embed, which allows Unicode emojis or characters to be used. Custom Discord emotes cannot be used in the profile quote. This command can be used without parameters to remove the user’s quote from their profile.

Change Log

**Version 0.5.0**

* SetQuote command was created.

## Moderator Commands

**Ban**

Aliases: Ban User

Parameters: (String) [User]

Description

Ban will display an Embed prompt asking the details for banning the specified user. A ban will automatically set the user’s strike count to three, then permanently remove the user from the server. The displayed Embed will ask for the reason of the ban and whether the ban should send the reason to the user or not. The ban can be confirmed or canceled by using the reactions on the message.

Change Log

**Version 0.5.0**

* Ban command was created.

**EditStrikeLog**

Aliases: ESL | Replace Strike Log

Parameters: (Attachment) [Excel File]

Description

EditStrikeLog will replace the current stored strike log excel file with the one the user sent. This command can be used without parameters to edit the excel file directly through Discord. An Embed will be displayed, showing various options on editing the strike log. The three main actions are adding a strike/ban, editing a strike/ban, and deleting a strike/ban. These actions can be done by typing directly into the channel the command was used and by using the reactions on the message.

Change Log

**Version 0.5.0**

* EditStrikeLog command was created.

**Hacked**

Aliases: *N/A*

Parameters: *N/A*

Description

Hacked will force Kamtro bot to disconnect from all Discord servers. This command is used in case of anyone that gets ahold of Kamtro bot’s token without authorized permission. Disconnecting Kamtro bot from all servers will avoid any damage the unauthorized user may cause.

Change Log

**Version 0.5.0**

* Hacked command was created.

**Offline**

Aliases: Off | Sleep

Parameters: *N/A*

Description  
Offline will force Kamtro bot to go offline on Discord. This command is used in case of any malicious malfunctioning of Kamtro bot. Putting Kamtro bot offline will prevent any commands or functions to be used, and thus preventing any damage that could be caused.

Change Log

**Version 0.5.0**

* Offline command was created.

**Strike**

Aliases: Add S | Add Strike

Parameters: (String) [User]

Description

Strike will display an Embed prompt asking the details for striking the specified user. Strikes is a number stored within the user’s data for the moderation system. When a user reaches three strikes, they are banned from the server. The displayed Embed will ask for the reason of the strike and whether the strike should send the reason to the user or not. The strike can be confirmed or canceled by using the reactions on the message.

Change Log

**Version 0.5.0**

* Strike command was created.

**StrikeLog**

Aliases: SL | Get Strike Log

Parameters: *N/A*

Description

StrikeLog will send an excel file containing all user’s strike and ban information to the channel the command was used in.

Change Log

**Version 0.5.0**

* StrikeLog command was created.

**UserInfo**

Aliases: Info | Who Is | Identify

Parameters: (String) [User]

Description

UserInfo will display an Embed containing the specified user’s Discord information. This information includes the account creation date, server join date, and avatar URL. This command can be used without parameters to display an Embed containing the user’s own Discord information.

Change Log

**Version 0.5.0**

* UserInfo command was created.

## Admin Commands

**Admin**

Aliases: AA | AddAdmin

Parameters: (String) [User]

Description

AddAdmin will add the specified user to the collection of Administrator users stored in the data. Administrators are able to use any commands within any channel on Discord, as well as access and change all features of Kamtro bot.

Change Log

**Version 0.5.0**

* Admin command was created.

**DirectMessage**

Aliases: DM | PM | Private Message | Tell

Parameters: (String) [User] (String) [Message]

Description

DirectMessage will send the specified user the specified message as a direct message through Kamtro bot. This command can be used without the message parameter to prompt an Embed for continuously sending direct messages to the specified user. The command can be unsuccessful if direct messages are not enabled by the user or the specified user.

Change Log

**Version 0.5.0**

* DirectMessage command was created.

**MessageChannel**

Aliases: Say | Speak

Parameters: (String) [Channel] (String) [Message]

Description

MessageChannel will send the specified message to the specified channel through Kamtro bot.

Change Log

**Version 0.5.0**

* MessageChannel command was created.

**MessageRelay**

Aliases: Toggle Message Relay | Relay Messages | Relay

Parameters: *N/A*

Description

MessageRelay will send messages that Kamtro bot receives directly to the user directly. This command works as a toggle and is used to turn the feature on or off.

Change Log

**Version 0.5.0**

* MessageRelay command was created.

## Secret Commands

There are currently no secret commands.

## Test Commands

**Marco**

Aliases: *N/A*

Parameters: *N/A*

Description

Ping sends a message to the channel with the response of “Polo!” and the current latency. Both server and local latency is sent in the message. Server latency is taken from the DiscordSocketClient latency property. Local latency is calculated by taking the timestamp of the sent command and comparing it to the current time.

Change Log

**Version 0.5.0**

Marco command was created.

**Ping**

Aliases: *N/A*

Parameters: *N/A*

Description

Ping sends a message to the channel with the response of “Pong!” and the current latency. Both server and local latency is sent in the message. Server latency is taken from the DiscordSocketClient latency property. Local latency is calculated by taking the timestamp of the sent command and comparing it to the current time.

Change Log

**Version 0.5.0**

Ping command was created.

**Polo**

Aliases: *N/A*

Parameters: *N/A*

Description

Polo sends the message “But nobody came.” to the channel the command was used. This command was made as a fun response to the expected latency commands like the other commands (Ping, Pong, Marco), but isn’t what the user may expect.

Change Log

**Version 0.5.0**

Polo command was created.

**Pong**

Aliases: *N/A*

Parameters: *N/A*

Description

Pong sends a message to the channel with the response of “Ping?” and the current latency. Both server and local latency is sent in the message. Server latency is taken from the DiscordSocketClient latency property. Local latency is calculated by taking the timestamp of the sent command and comparing it to the current time.

Change Log

**Version 0.5.0**

Pong command was created.