

Smart Simple Bot

Installation & setup guide

(Bybit Revision)

Bybit revision

Most of the settings are the same as the “normal” SSB in terms of installation and usage. I’ve update relevant parts for the Bybit settings.

Introduction

Smart Simple Bot (SSB) Bybit is entry only bot to parse TradingView alerts 2 Bybit. You can set an max active deals to keep your exposure/risk low. You need WickHunter to handle the DCA and Take Profit.

The script is based on PHP with an MySQL database. This is done to keep it low profile as most webhosts support these settings. The script is tested on PHP version 7.4 but should support most version.

General usage

SSB uses Tradingview alerts with an custom webhook. It sends the data to the script and handles them at a set interval (can be as close as 15 sec after alert triggered. All can be set up using Trading View alerts. This makes installation easier as you don’t need special cronjobs or run deamons on your server. For more advanced users you can set up an daemon to speed the process even more.

File structure

- Main directory
 - o admin
 - Front-end to change the settings and add account
 - o app
 - Core of the bot with all classes needed to run the script
 - o alert_handler.php (script to receive the alerts form TradingView)
 - o alert_processor.php (script to handle the received alerts and send to 3c)
 - o install.php (script to install SSB)

Installation

The installation of SSB is rather simple. Here an step by step order.

1. Upload all the files to your directory you want to use. Note , the alert_handler.php , alert_processor.php , install.php and admin folder should be publicly accessible.
2. Setup your DB configuration in /app/Config.php. If needed create a new database separately for SSB Bybit Revision

```
<?php
/**
 * Set your own credentials for mysql/db
 */
define ('DB_HOST' , 'localhost');
define ('DB_DBNAME' , 'your_db_name');
define ('DB_CHARSET' , 'utf8mb4');
define ('DB_USERNAME' , 'your_db_username');
define ('DB_PASSWORD' , 'your_db_password');
```

3. Run the script install.php. This should be pretty straight forward. You can choose an username and password and you're ready to login on yourdomain.com/ssb_bybit/admin/index.php

Setup

All the setup is done in the admin panel or on TradingView to set the alerts.

Add an account

Adding an account is the first step. This uses the Bybit API to connect to

Account ID: Choose your own number (numeric values only). This can be any number as long they are unique for each account you add. Use an max of 6 characters is recommended

Name : Choose your name

API key : Add your Bybit API Key. API should (at least) have the following permissions. This bot works only on USDT Perp so SPOT isn't needed.

API key permissions (check all that apply)

Contract

☒ Positions ☒ Orders

SPOT

☐ Trade




Wallet

☐ Account Transfer ☐ Subaccount Transfer

API secret : Your API secret from your API key

Account overview

You can add several accounts to the same user and setup them different.

Account ID	Name	Max deals	BO (%)	Set leverage	Status	TV Alerts	Logs	Delete
123456	Bybit Entry PSAR	4 ▾	7 ▾	20 ▾	● Disable	 Trading View alerts	 Logbook	 Delete

Account ID : Your set account ID , only relevant for TradingView alerts

Name : Your internal name

Max deals : Here you can set up the max deals the bot may use. This is calculated on all open deals on Bybit. So if you set Active deals on WH higher it may not open deals via SSB.

BO (%) : With this you set the Buy Order %. The position will be opened according this percentage of your wallet. Example :

Wallet : \$ 1000 , BO (%) : 10%. An position of \$ 100 will be opened on Bybit independent from the set leverage

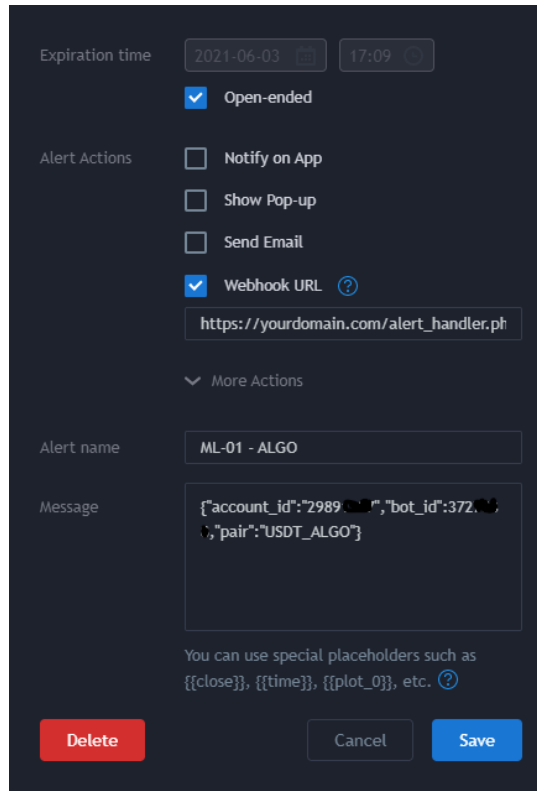
Set leverage : Here you can set the leverage on Bybit. This won't effect your total opening position set in BO(%) it will only change the leverage. In the above example an leverage of 20 will use \$5 of your margin.

Status : You can either enable or disable the bot. This will "kill" the script for this account so no deals are being parsed to Bybit. TradingView alerts will still be handled but ignored in the script

TV Alerts : Here you can find all the information to setup your Trading View alerts

Setting up your Trading View alerts


You can setup your Trading View (TV) alerts as you would set them up for 3Commas but with SSB parameters. **For testing purposes try to setup a few alerts. You may trigger them manually to see the result.**



The screenshot shows the 'Alert Actions' section of a Trading View alert configuration. It includes fields for 'Expiration time' (2021-06-03 17:09), 'Alert Actions' (Open-ended, Notify on App, Show Pop-up, Send Email, Webhook URL), 'Alert name' (ML-01 - ALGO), and 'Message' (JSON object: {"account_id": "2989", "bot_id": "372", "pair": "USDT_ALGO"}). There are also buttons for 'Delete', 'Cancel', and 'Save'.

Expiration time: 2021-06-03 17:09

Alert Actions:

- ☒ Open-ended
- ☐ Notify on App
- ☐ Show Pop-up
- ☐ Send Email
- ☒ Webhook URL 


Webhook URL:

More Actions

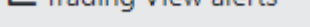
Alert name:

Message:

```
{ "account_id": "2989", "bot_id": "372", "pair": "USDT_ALGO" }
```

You can use special placeholders such as `{{close}}`, `{{time}}`, `{{plot_0}}`, etc. 

Webhook : Set your webhook to the alert_handler.php. For example https://yourdomain.com/alert_handler.php

Message : You can copy the message from the  on your account. There are several type of messages :

- Enable account : This enables account. You can use this to start your bots on a long signal for example.
- Disable account : Opposite of enable account
- Check open deals : This uses an Telegram setup to warn you if there are more open deals then you set. This will also trigger when you lower the Max deals and you still have deals open.

Bot specific alerts : Use this to setup the actual triggers as you would do on 3C. You can copy / paste the JSON formula for convenience

After you've setup your alerts they should be added to the raw_tv_input table in your database. Make sure they are triggered in TV to see the result.

Processing alerts

Until now the alerts aren't being processed. Therefore we need to run the script `alert_processor.php` in your main directory. The way I've set it up is to create an alert on TV which always triggers. For example you can use the condition on `ETH > 0$`. This event will always trigger.

The only thing you need to set correct is the webhook and timeframe. This should point to https://yourdomain.com/alert_processor.php. In this example it triggers every 15 seconds. This means it will fire the script every 15 seconds and processes any alerts between that time. The alert name and message are not mandatory to process alerts.

When the alerts are processed you should see them in the table "log" with the corresponding account and bot id as well the message returned.

There are of course other ways to run the `alert_processor.php`. You can set it up anyway you like. Depending on your accounts / alerts triggered 15 secs looks like the minimum time to process all alerts. Most of it depends on the speed of the 3C API which lags from time to time.

If you have checked all these steps your SmartSimpleBot should be up and running and you're ready to set it on fire.

The screenshot shows a configuration window titled "Edit Alert on ETHUSD, 15s". The settings are as follows:

- Condition:** ETHUSD, 15s, ...
 - Operator: Greater Than
 - Value: 0.00
- Options:**
 - Only Once
 - Once Per Bar (Selected)
 - Once Per Minute
- Expiration time:** 2021-06-15 12:39
 - ☒ Open-ended
- Alert Actions:**
 - ☐ Notify on App
 - ☐ Show Pop-up
 - ☐ Send Email
 - ☒ Webhook URL [?](#)
 - https://yourdomain.com/alert_processor.php
 - [More Actions](#)
- Alert name:** _GENERAL - Alert Processor [NIET VERWIJD]
- Message:** ETHUSD, 15s, Heikin Ashi Greater Than 0.00

Below the message field, there is a note: "You can use special placeholders such as {{close}}, {{time}}, {{plot_0}}, etc. [?](#)"

At the bottom, there are three buttons: Delete, Cancel, and Save.