

# betternet

## v4.1 User Manual

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## Introduction

Manage your ISP billing operations with ease using Betternet, a powerful and comprehensive software designed specifically for Internet Service Providers. With an array of robust features, Betternet streamlines your billing processes, enhances user management, and ensures efficient payment handling. Integration with Mikrotik API helps you to automate some of the core functionalities straight from within the application. Take your ISP business to new heights with Betternet's advanced capabilities.

## Features

- ISP Billing management
- Multiple Mikrotik router support
- Mikrotik API
- Package management
- User management
- bKash payment gateway
- Stripe payment gateway
- Once click bill generation for all users
- Disalbe all users with due bill in a single click
- Payment invoice download
- Ticket based support
- Enable/ disable single user
- Change user package
- Mikrotik log download
- User profile
- User billing
- User payment
- All Users report
- Individual User report
- Billing report
- Payment report

## Server requirements

- PHP  $\geq 7.4$
- MySQL Version  $\geq 4.1$
- BCMath PHP Extension
- Ctype PHP Extension
- JSON PHP Extension
- Mbstring PHP Extension
- OpenSSL PHP Extension
- PDO PHP Extension
- Tokenizer PHP Extension
- XML PHP Extension

## Mikrotik requirements

- RouterOS version 3+
- API services enable
- Firewalls allow port 8728 for API communication
- User credentials with api access

## Local Windows installation

1. Copy the downloaded application folder into your web root
  - WAMP - www
  - XAMPP - htdocs
2. Config database as mentioned below
3. Open app localhost/betternet/public/index.php

## Shared hosting installation

- Copy everything from the downloaded application folder into public\_html folder in the cPanel
- Navigate to the public folder and find index.php file
- update the following line of code into your index.php file as follow:

---

```
require __DIR__.'../bootstrap/autoload.php';  
$app = require_once __DIR__.'../bootstrap/app.php';  
to:  
require __DIR__.'../bootstrap/autoload.php';  
$app = require_once __DIR__.'../bootstrap/app.php';
```

---

- Config database as mentioned below
- Browse your app

## Linux installation

1. Copy everything from the downloaded application folder into your web root  
`/var/www/html`
2. Give permission to storage folder using this command:  

```
sudo chown -R $USER:www-data .  
sudo find . -type f -exec chmod 664 {} \;  
sudo find . -type d -exec chmod 775 {} \;  
sudo chgrp -R www-data storage bootstrap/cache  
sudo chmod -R ug+rx storage bootstrap/cache
```
3. Config database as mentioned below.
4. Browse your app

## Database configuration

1. Go to your favourite database application (phpMyAdmin or Adminer).
2. Create a database
3. Upload/import the sql file from the downloaded folder from Codecanyon into the database
4. Go to the .env file from the application folder from the downloaded application folder
5. Configure required database fields in the file

```
DB_DATABASE=betternet4
```

```
DB_USERNAME=root
```

```
DB_PASSWORD=
```

## Other configuration

Open .env file from inside the application and edit required fields (like application name, time zone, currency, payment gateway information etc.)

```
APP_TIMEZONE=Asia/Dhaka
```

```
CURRENCY=BDT
```

```
STRIPE_KEY=
```

```
STRIPE_SECRET=
```

```
SANDBOX=false
```

```
BKASH_USERNAME=
```

```
BKASH_PASSWORD=
```

```
BKASH_APP_KEY=
```

```
BKASH_APP_SECRET=
```

## Admin login

Admin login: [admin@betternet.com](mailto:admin@betternet.com)

Password: password

## Initial setup

- Configure ISP details (name, address, phone number etc.) from the left ISP menu item.
- Configure Mikrotik router from the left router menu item. You can add multiple routers here.

## Creating package

- Go to Package from the left menu and create new package.
- A package belongs to a single router.
- Package name cannot be same. If you need to have same package in multiple routers, try different combinations of the name.
- Once created, you cannot change parent router of a package or package name.

## Add user

- You can add new user from left User menu button.
- You need to provide user details and select package during user creation.
- If user is created, he is added in the Mikrotik and become activated.
- From the main user page, you can Disable All Users With Due bill.
- You can disable/enable, edit and change package of a user from user detail page. You can go to user detail page by clicking on his name.

## Single click bill generation

- Go to Bill page from left menu and click on create.
- You will see list of users with their bill amount (based on current package).
- You can check the users you need to generate bill.
- Click on Generate button to generate monthly bill for selected users.



## Manage Payment

- Click on the Payment on the left sidebar to go to the payments page.
- Here you will see a list of payments.
- You can download the payment report by clicking on the Download button.
- You can download the invoice by clicking on the Download button on the right of each invoice in the payment list table.

## Payment options

- There are 3 payment options in this app.
- If users pay cash, admin/ISP can click on “Mark as Paid” on the right of a bill in the Billing page.
- Users can pay with Stripe or bKash (only in Bangladesh) from user portal.

## Ticket

- Only customers can create a ticket.
- Admin can view all the tickets by clicking on the Ticket on the left sidebar.
- Clicking on the ticket subject will open the ticket details.
- Admin can post comments to ticket and change ticket status to open or close.

## Notes

- Regularly backup your database.
- All the pages in the application are straightforward and are designed for simplicity so that they can be used without any difficulty. However, in case of any difficulty, feel free to send an email to [sajalahsan@gmail.com](mailto:sajalahsan@gmail.com)
- Refunds will not be given if the item does not meet your expectations
- Please do not give a low rating. if you have any problem, please contact me and I will offer you a solution

## Support

If you encounter any issues or have any questions regarding the item, drop an email at [sajalahsan@gmail.com](mailto:sajalahsan@gmail.com). I will be delighted to assist you and resolve any problems you may have

Thank you for choosing betternet!!!