

ManiaLive Extending Plugin Pack

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MANIALIVE
EXTENDING PLUGIN PACK

[Software User Manual]

Table of Contents

- [1. Introduction](#)
 - [Thanks](#)
- [2. Installation](#)
 - [2.1 Install Guide for Windows](#)
 - [2.2 Installation Guide for Debian-based Linux](#)
- [3. Setup Guide](#)
 - [3.1 MySQL](#)
 - [3.2 MLEPP and ManiaLive](#)
 - [3.2.1 Windows](#)
 - [3.2.2 Linux](#)
- [4. Configuration Guide](#)
 - [4.1 ManiaLive](#)
 - [4.2 MLEPP](#)
 - [4.2.1 General Configuration](#)
 - [4.2.2 Admin Groups](#)
 - [4.2.3 Widgets](#)
- [5. First start](#)
 - [5.1 Error messages and causes](#)
- [6. Migrating from XAseco](#)
- [7. Additional Tools and Settings](#)
 - [7.1 MLEPP Music Manager for Musicbox-plug-in](#)
 - [7.2 Color Themes](#)
- [8. In-game Commands List](#)
 - [8.1 Administration](#)
 - [8.2 Player-related Commands](#)
 - [8.2.1 ChatEmotes](#)
 - [8.2.2 ChatLog](#)
 - [8.2.3 ChatMe](#)
 - [8.2.5 Jukebox](#)
 - [8.2.6 Karma](#)
 - [8.2.7 Local Records](#)
 - [8.2.8 MusicBox](#)
 - [8.2.9 Rankings](#)
 - [8.2.10 ServerInfo](#)
 - [8.2.11 ServerMail](#)
 - [8.2.12 Votes](#)
- [9. Problem Reporting Instructions](#)

1. Introduction

Manialive Extending Plugin Pack is a complete tool to extend ManiaLive, which is only a framework of controlling the dedicated server - ManiaLive alone can't do much. This plugin package is indented to provide you a full server control and extend the server abilities from what you were used with XAsec0 or FAST. We developers have re-thought some of the basic principles the other server controllers have and tried to make the gaming experience better in point of view of an admin and a player.

For an admin, we did superb command interceptor, that every admin command, though might be little longer to type, is easy to remember and other plugins can extend commands to admin structure too. If you use oliverde8 HudMenu, all admin and player commands are accessible from few clicks.

Thanks

We, developers, would like to thank everybody who helped us by visiting the testing servers and all the server owners who use MLEPP on their servers.

Special thanks goes out to:

[R602] Klompie for donating the needed coppers for our really cool MLEPP developers tags.

[LYNX] Weerwolf for the extra rough testing and debugging.

2. Installation

To install MLEPP, you first need a working ManiaLive installation which needs a working Trackmania Dedicated server.

The installation guide for Trackmania Dedicated can be found at Mania-Creative:
http://tutorials.mania-creative.com/server_dedicated/index-eng-1

You can follow the installation guide there, but in Windows make the default install to some hard drive root i.e. **C:\tm_dedicated\server1** or **D:\tm_dedicated\server1**
on Linux you can choose your home directory, or use the **/opt/tm_dedicated/server1/**
remember to assign proper user and user group with needed rights to the folder.

The installation guide for ManiaLive can be found at <http://code.google.com/p/manialive/wiki/UserDoc?tm=6>

ManiaLive installation guide doesn't include instructions to setup the server environment, the following instructions will have you a working server setup to run ManiaLive and MLEPP. Download links to ManiaLive and MLEPP can be found later on.



Some of the needed configuration files are encoded in UTF-8 and will use UNIX line-carrier. To edit the files properly and without errors in Windows, please install notepad++ from <http://notepad-plus-plus.org/>

2.1 Install Guide for Windows

This example will use XAMPP as server component provider for MySQL and PHP. You can use also WAMPP, Uniform-server or get the official service-packages for PHP and MySQL.

Installation package for XAMPP can be found at:
<http://www.apachefriends.org/en/xampp-windows.html>



If you are focusing on production use of the servers, please read the entire XAMPP download page to make your server environment secure!

Recommended place to install XAMPP is at root of any hard drive, i.e. C:\xampp\, D:\xampp and so on. This installation guide will use C:\xampp for default location.
After installing and doing the basic security settings, head on to following directory:
c:\xampp\php

Find file named **php.ini** and use Notepad++ to edit the file contents.

- 1) Search for **php_curl** it should be somewhere near line 950.
Remove semicolon from the start of the line, so the text-color changes from green to black.
- 2) Search for **php_sqlite** and remove the semicolon if any, do same for **php_sqlite3**
- 3) Write following additional line at the end of the extensions:
extension=php_openssl.dll
- 4) Save and you can close the editor for now.

Once you have done this, please follow down this document to [Setup Guide](#).

2.2 Installation Guide for Debian-based Linux

Installing a server environment to Debian-based Linux, like Ubuntu is quite easy. You can do it via terminal or using synaptic package manager with graphical interface. This instructions will use terminal commands to guide you though the installation process. If you prefer to use graphical environment, just search for the packages and install them with synaptic or other application installer.

To install the needed software, type the following lines at terminal:

sudo apt-get update

**sudo apt-get install apache2 mysql php5 php5-cli php5-mysql php5-openssl
phpmyadmin**

Enter your password and it installs all the needed applications for you.

Once this is finished, please follow down this document to [Setup Guide](#).

3. Setup Guide

3.1 MySQL

To set up MySQL databases, please launch your web-browser and type-in following address: <http://127.0.0.1/phpmyadmin>

Once logged in:

Click privileges

Click add a new User

If you are setting up multiple servers, a good naming convention might be: mlepp_server1, mlepp_server2 or if you know the login names of the servers then use those to make individual databases.

Below is example of the view you should have

User name: mlepp_server1

Host: localhost

Password: *****

Re-type: *****

Database for user:

{ } none

{x} create database with same name and grant all privileges.

{ } Grant all privileges on wildcard name (username\%)

Click the little Go button at right and end of the page and we are set up.

You can now log out from PHPMysqlAdmin and follow the rest of document.

3.2 MLEPP and ManiaLive

To obtain the latest packages, use following links:

<http://code.google.com/p/manialive/downloads/list>

<http://code.google.com/p/mlepp/downloads/list>

Download latest ManiaLive, standard plug-ins and MLEPP.

In windows you probably did a Folder for dedicated server, you can use that or do separate directory for server controller. Let's assume you did the directories like suggested earlier in this document. So head to **C:\tm_dedicated**

Unzip the ManiaLive zip package there. It should create a folder named **manialive_1.0_r???**

Now rename that to something useful like **manialive_server1**

Go to the newly made folder and extract the zip containing latest MLEPP to the directory.

3.2.1 Windows

edit **c:\tm_servers\manialive\run.ini**
and point the php.exe to the middle line.
phpPath=C:\xampp\php\php.exe

Save and quit.

3.2.2 Linux

type:
which php
it should tell it's **/usr/bin/php**, if not then use the one it gives.

edit **/opt/tm_servers/manialive_server1/run.ini**
and point the full path to php to middle line:
phpPath=/usr/bin/php

Save and quit.

4. Configuration Guide

To make essential configuration for ManiaLive and MLEPP, please follow there instructions. Go to your ManiaLive installation directory and find folder named config.

4.1 ManiaLive

To configure ManiaLive, you need to make a copy of **config-example.ini** and name it to **config.ini**.

Every line at default starts with semicolon and they are ignored, if you use Notepad++ the lines are green. To enable the configuration remove the semicolon at start of the line. On Notepad++ the line should change its color to black.



the values you enter after equal sign has different meaning when set with hyphens or not. For numeric and boolean values you should not use hyphens. examples:
numeric=123
boolean=true
boolean=false
for text values use:
textvalue='this is a text value'

First thing is to configure is php, this is used for threading and if set wrong in Windows you will see pop-up Window from Explorer when ManiaLive tries to use threading. For Linux set path you were given by **which php**.

```
phpPath = 'C:/xampp/php/php.exe'
```

For dedicated server configuration uncomment following lines and set the right values depending on dedicated_cfg.txt from TrackMania dedicated server:

```
server.host = '127.0.0.1'  
server.port = 5000  
server.user = 'SuperAdmin'  
server.password = 'yourdedicatedserverpassword'
```

Define default master admins:

```
admins.logins[] = 'login'  
admins.logins[] = 'login2'
```


find this at the end:

```
;-----  
[hostname: testHost]  
;-----
```

add semicolon at the start of the middle line, or remove the middle line completely:

```
;-----  
;[hostname: testHost]  
;-----
```

Save and keep the editor open.

4.2 MLEPP

4.2.1 General Configuration

Open **config-example-mlepp.ini** with text editor in new window.

Select all and copy-paste it to the end of the **config.ini** -file.

Find the database, edit and enable the following settings:

```
plugins.load[] = 'MLEPP\Database'  
plugins.MLEPP\Database.type = 'MySQL'  
plugins.MLEPP\Database.port = '3306'  
plugins.MLEPP\Database.host = '127.0.0.1'  
plugins.MLEPP\Database.user = 'yourMySQLuser'  
plugins.MLEPP\Database.password = 'yourMySQLuserpassword'  
plugins.MLEPP\Database.name = 'yourMySQLuser'
```

Save.

After doing that, take time to adjust various settings in MLEPP configuration, to customize your MLEPP installation. You can enable also additional plugins, which are not included in the default plugins set.

When you are pleased with the modifications. Save the **config.ini**.

Proceed then to assigning admin to groups.

4.2.2 Admin Groups

Admin groups can be configured by copying **config-mlepp-adminingroups-example.ini** to **config-mlepp-adminingroups.ini**

The admin groups as seen is group based. You can assign one or more groups to a login, to do so just put comma between the groups names. To assign a master group, without any restrictions set the group to root. Otherwise set the group either admin or operator or do your own group.

To assign login to admin group, just edit config-mlepp-adminingroups.ini and add

login = 'root'

Where login is the wanted admin login, this will grant all possible command privileges to the login. If you want to restrict the login's access, just type in

login = 'admin'

or

login = 'operator'

After configuring this part, proceed to next part, configuring widgets.

4.2.3 Widgets

Before first start you have to copy the **config-mlepp-widgets-example.ini** to **config-mlepp-widgets.ini**. If you don't find the default values good enough, edit the file.

At the file you find the loading commands and positions to all widgets.
To disable a widget, add semicolon before its name.

5. First start

Start always first the TrackMania dedicated server and see it's running. Then start MySQL service, if it's not start by default. After that run ManiaLive.

in Windows:

double click the run.bat

in Linux do following for the first start:

chmod +x run

./run start

You should see at the last line following line:

```
[PluginHandler] All registered plugins have been loaded
```

When you see this line, it means you are good to go. If not, then an error has occurred while loading ManiaLive, and you are not running all the plug-ins.

5.1 Error messages and causes

If you see an error which looks like:

```
-> Exception with code 0  
fsockopen(): unable to connect to localhost:5000
```

This means the dedicated server has not been found at the port you configured it.

Causes might be:

- 1) You started TrackMania game before the dedicated server, the default port 5000 is bind by the game client for in-game server. Fix: change **xmlrpc port** at **dedicated_cfg.txt** or start dedicated server before launching the game.
- 2) Dedicated server is not running at the port you defined. Check **dediacted_cfg.ini** and **config.ini** for the right server port.
- 3) Localhost is pointing somewhere else than local loopback. This can be fixed changing **hosts** file at your Operation System. Please consult the server administrator to do the changes.

```
-> Exception with code 0  
sqlite_open(): file is encrypted or is not a database  
- in  
C:\Trackmania_dedicated\server1\libraries\ManiaLive\Database\SQLite\Connecti  
on.php on line 41
```

ManiaLive couldn't open the internal SQLite database.

Causes might be:

- 1) ManiaLive was not shut down properly / cleanly. Try restarting ManiaLive.
- 2) Try deleting 127.0.0.1.db or localhost.db at **/data/** directory.

```
[19:32:55] [MLEPP] [Database] Connecting to MYSQL database server . . .  
Error while connecting:  
mysql_connect(): [2002] Connection can not be established, because object computer doesn't  
allow it. (trying to connect via tcp://127.0.0.1:3306)
```

ManiaLive couldn't connect to MySQL service.

Causes might be:

- 1) Your MySQL server / service is not started, or is running other than default port. Check that the service is running and that the service is bind to 3306 port.

```
[19:59:11] [MLEPP] [Database] Connecting to MYSQL database server . . .  
Error while connecting:  
mysql_connect(): Access denied for user 'mlepp'@'localhost' (using password: YES)
```

MySQL client was not able to connect using your entered credentials.

- 1) Check MySQL database, username and password settings and try again.

6. Migrating from XAseco

If you have already running XAseco installation, you can have your local records, player nicknames and karma from running installation to MLEPP.

The tool is located at ManiaLive root **folder/tools/migrating**.

Copy the files at the directory to ManiaLive root, edit **xaseco_migration.ini** to match your MySQL settings:

set the databases to match your databases, make sure you have started succesfully MLEPP once, so the databases are created.

```
xaseco_db = "xaseco"  
mlepp_db = "manialive"
```

In Windows:

double click the xaseco_migration.bat

In Linux:

type:

```
php xasecoimport.php
```

You are then given warnings, please read them, after that type with capitals: **DO IT**

If you are thrown back to terminal without seeing a message that everything went right, the procedure has failed and you have to start all over from backups or from empty mlepp database.

7. Additional Tools and Settings

7.1 MLEPP Music Manager for Musicbox-plugin-in

The Musicbox plug-in needs little helper application to work right. Sorry, but currently Linux users are not supported.

You find the MLEPP music manager under **/tools/MusicManager/MusicManager.exe**

How to add music to your server:

Put all the music (.ogg and/or .mux) you want on your server in a root folder like **D:\music\for Tm**. You may use sub folders in there. Open the Windows application.

Then choose **Music/Import**.

Now, all music in the root folder and its sub folders will appear in the list.

Edit the data to your likings. You can select multiple items to paste data in.

Click File/Save.

Upload the whole root folder including the sub folders to your music server (must be accessible from the web).

Put the Internet address in the URL config.

If you need to change the song title, artist or genre afterwards, you can use Excel or OpenOffice Calc to change the values.

7.2 Color Themes

MLEPP ships with some pre-defined chat color themes in addition of the default one provided. To apply a color theme like XAsec or FAST just open the provided **mlepp-color-themes.txt** at **/config/** folder then copy-paste the color settings you like to be the last entries at **config.ini**.

8. In-game Commands List

8.1 Administration

The admins can control almost all server settings from within the game.

The commands structure is based on a certain logic, that is based on 2 main groups:

These main groups are **get** and **set**.

There are many set and get commands, an interactive help system will lead you through all possible commands.

Just type **/admin set** or **/admin get** to see all possible following commands, add the variable to the command to see the next options etc.

This way you can easily get one step further each time, until you reach the setting you want.

If you type a wrong admin command, words printed in red show you where you got wrong.

In addition to the get/set system there are some shortcuts for often used commands:

warn, kick, ban in combination with a login for player management.

skip, restart, endround to quickly control the playing track.

cancel to cancel a vote when the MLEPP vote plugin isn't used.

remove in combination with the track ID (from /list) or the word **this**.

add local <trackname> to add tracks stored in /GameData/Tracks/Challenges/

add tmx <TMX-ID> tmn|tmu|tmnf to add tracks from TrackMania Exchange.

8.2 Player-related Commands

8.2.1 ChatEmotes

All following commands can be triggered with typing slash and command, they will perform a chat emote, you can also include any text you wish or players login name, in that case the login will be translated to nick name.

Usage:

/bb, /bye, /hi, /hello, /thx, /ty, /lol, /brb, /afk, /gg, /nl, /bgm, /sry, /sorry, /glhf, /wb, /omg, /buzz, /eat, /drink, /rant, /ragequit, /bootme

8.2.2 ChatLog

This plugin will show the last 500 lines of public chat in a window.

Usage:

/chatlog

8.2.3 ChatMe

The ChatMe plugin helps to express yourself.
It can be used with or without a login.

Usage:

/me "text between hyphens" - Express your state, feeling, where about etc.

/me "text between hyphens" [login] - Express your state, feeling, where about

3.2.4 Communication

The Admin Chat

- A private channel for all admins.
- Only admins can use and see this channel.

Usage:

/a "message between hyphens" - Write a message in the admin channel;

The Team Chat

- Allows to make a private chat channel.
- Only invited people in the same channel will be able to read and respond to the chat.

Usage:

/t invite <login> - Invite player to channel.

/t "message between hyphens" - Write a message in the channel you joined.

/t leave - Leave the chat channel you joined.

The Private Messages

- Allows you to send a private message.
- Only you and the recipient can see the message.
- You can use the login or ID of a player.
- Find the login or ID of a player with /players.
- Use the /r function to make a conversation easier

Usage:

/pm login \"message between hyphens\" - Send a private message to that login.

/r \"message between hyphens\" - Send another message to the same person that you sent the last pm.

8.2.5 Jukebox

This function opens a window with all tracks on this server.
It is also possible to add criteria, to be able to find tracks with a specific attribute.

Usage:

/jukebox <ID> - Add a track to the jukebox. (Find track ID with the /list function)

/jukebox list - See the tracks that are already queued in the jukebox.

/list - Show all tracks on the server.

/list <name or part name> - Show all tracks with a certain (part of a) name on this server.

/list <criterium> - Show all tracks on this server corresponding to the chosen criterium.

Possible criteria are:

best, worst, nofinish, nofirst, authortime, noauthortime, goldtime, nogoldtime, silvertime, nosilvertime, bronzetime, nobronzetime.

/list <criterium> <variable>

Possible criteria with their variables are

shorter (seconds), longer (seconds), rank (number), first (number),
tmx_type (Race | Puzzle | Platform | Stunts | Shortcut),
tmx_dif (Beginner | Intermediate | Expert | Lunatic),
tmx_style (normal | Stunt | Maze | Offroad|Laps|Fullspeed|Lol|
Tech|Speedtech|RPG|Pressforward)

8.2.6 Karma

You can express your liking towards the current played track with the karma, admin can then choose to use auto track manager to get rid automatically the tracks what players doesn't like, or remove the tracks with bad karma by hand.

Usage:

--,-,+,++ and +++ with or without slash.

8.2.7 Local Records

Local Records will keep track of the times what you drive at server.

Usage:

/recs - Shows an popup window with current local records.

8.2.8 MusicBox

Open a window showing all songs on this server.

Usage:

/mlist - Show all songs on this server.

/mlist "text between hyphens" - Show all songs corresponding to the text. The text can be (part of) artist, (part of) title and (part of) genre.

/mbox <id> - Add song to MusicBox

8.2.9 Rankings

Open a window with the current top 100 of records holders on this server.

Usage:

/rank - Shows chat message of your current rank.

/top100 - Show the 100 best players on this server.

8.2.10 ServerInfo

Open a window with current server info and linked servers.

Usage:

/serverinfo - Open a window with current server info.

8.2.11 ServerMail

You can send and receive mail, and it will be saved to the database.

This allows to communicate with players that are not online at the same time as you are. It can also serve as memo function, as you can send yourself a mail. The mail function also helps communicate with the server admins.

Usage:

/mail check - Check if you have received new mail.

/mail read - Open a window with your inbox.

/mail send <login> "message between hyphens" - Send a message to a login.
/mail send admin "message between hyphens" - Send a mail to all admins.

8.2.12 Votes

You can cast server votes from menu or by typing.

Usage:

/skip - Calls a vote for skipping the challenge
/restart - Calls a vote for replaying the challenge
/replay - <alias for above>

9. Problem Reporting Instructions

If you encounter fatal error or find an issue, you can report it at Google Project page: <http://code.google.com/p/mlepp/issues/list>

When reporting, please make a topic name that describes the issue as good as possible. Please tell what revision of ManiaLive and MLEPP you are using and try to tell the best what you did (or what user did) - what happened and what you expected to happen. You can also copy-paste the console errors log / full stack trace, that will help us triage the problem better. If you are developer, patches in SVN diff format can be also sent.