How To Install Xibo On Windows Xampp PHP 7.4.27

- 1. Download xampp 7.4.27 application at this link : https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/7.4.27/ and save it in a folder named XAMPP (XAMPP folder)
- 2. Download xibo app (version 3.3.5) at this link : https://xibosignage.com/blog/3-3-5-released and save it in a folder with the name XIBO (XIBO folder)
- 3. Download ZeroMQ at this link : https://github.com/zeromq/php-zmq/files/4397645/php-7.4.4zmq-1.1.4-4.3.2-x64-vc15-zts-nts.zip
- 4. Download fastcgi application at this link: https://www.apachelounge.com/download/ , select the mod_fcgid-2.3.10-Win64-vs17.zip file for Windows 64 bit
- 5. Install the xampp file that was downloaded previously
- 6. Open xampp control panel, click config tab then click apache and mysql in the autostart of modules section then click save after that close the xampp control panel application
- 7. Extract the downloaded ZeroMQ file and install ZeroMQ in the Xampp application as follows:
 - A. Select php_zmq_zts.dll file then copy the file in the folder path C:\xampp\php\ext
 - B. Select the file libzmq-v141-mt-4_3_2.dll then copy the file in the folder path C:\xampp\php
 - C. Then open the php file.ini (C:\xampp\php) and look for the Dynamic Extension sentence (press the control key and F key at the same time then type Dynamic Extension). After the word Dynamic Extension has been found then under the sentence type extension= php_zmq_zts.dll (see image below):



then save the file (don't select Save As)

D. Then open the httpd.conf file (C:xampp\apache\conf) then edit this file as shown below:

```
httpd.conf - Editor
Datei Bearbeiten Format Ansicht ?
# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#Listen 12.34.56.78:80
Listen 80
# Dynamic Shared Object (DSO) Support
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding `LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by `httpd -l') do not need
# to be loaded here.
# Example:
# LoadModule foo_module modules/mod_foo.so
LoadFile "C:\xampp\php\libzmq-v141-mt-4_3_2.dll"
LoadModule access_compat_module modules/mod_access_compat.so
LoadModule actions_module modules/mod_actions.so
LoadModule alias_module modules/mod_alias.so
LoadModule allowmethods_module modules/mod_allowmethods.so
LoadModule asis_module modules/mod_asis.so
```

then save the file (don't select Save As)

- E. Extract the downloaded mod_fcgid-2.3.10-win64-vs17.zip file and copy mod_fcgid.so file to C:\xampp\apache\modules
- F. Then edit the httpd-xampp.conf file (C:\xampp\apache\conf\extra). Delete the part in the httpd-xampp.conf file as shown below:

```
#
# PHP-Module setup
#
LoadFile "C:/xampp/php/php7ts.dll"
LoadFile "C:/xampp/php/libpq.dll"
LoadFile "C:/xampp/php/libsqlite3.dll"
LoadModule php7_module "C:/Apps/xampp/php/php7apache2_4.dll"
<FilesMatch "\.php$">
SetHandler application/x-httpd-php
</FilesMatch>
<FilesMatch>
<FilesMatch>
<FilesMatch "\.phps$">
SetHandler application/x-httpd-php
</FilesMatch>
<FilesMatch>
</FilesMatch>
</FilesMatch>
```

then replace the section as shown above with the image below:

PHP-Module setup # LoadFile "C:/xampp/php/php7ts.dll" LoadFile "C:/xampp/php/libpq.dll" LoadFile "C:/xampp/php/libsqlite3.dll"

LoadModule fcgid_module modules/mod_fcgid.so <IfModule fcgid module> FcgidInitialEnv PATH "C:/xampp/php" FcgidInitialEnv SystemRoot "C:/Windows" FcgidInitialEnv SystemDrive "C:" FcgidInitialEnv TEMP "C:/xampp/tmp" FcgidInitialEnv TMP "C:/xampp/tmp" FcgidInitialEnv windir "C:/windows" FcgidIOTimeout 64 FcgidConnectTimeout 16 FcgidMaxRequestsPerProcess 1000 FcgidMaxProcesses 3 FcgidMaxRequestLen 2147483648 # Location php.ini: FcgidInitialEnv PHPRC "C:/xampp/php" FcgidInitialEnv PHP_FCGI_MAX_REQUESTS 1000 <Files ~ "\.php\$"> Options Indexes FollowSymLinks ExecCGI AddHandler fcgid-script .php FcgidWrapper "C:/xampp/php/php-cgi.exe" .php </Files> </IfModule>

E. Still in the httpd-xampp.conf file above, add it like this:

add this option allow FastCGI

Options ExecCGI

in the php MyAdmin section as shown below:

```
Alias /phpmyadmin "C:/xampp/phpMyAdmin/"
<Directory "C:/xampp/phpMyAdmin">
# add this option allow FastCGI
Options ExecCGI
AllowOverride AuthConfig
Require local
ErrorDocument 403 /error/XAMPP_FORBIDDEN.html.var
</Directory>
```

then save the file (don't select Save As)

- 8. Copy the xibo file (version 3.3.5) in C:\xampp\htdocs then extract the file in the folder path mentioned
- 9. Then rename the folder extracted from the xibo file above to xibo
- 10. Open the php.ini file in the folder path C:\xampp\php then edit the file as shown below:

; The MIBS data available in the PHP distribution must be installed. ; See http://www.php.net/manual/en/snmp.installation.php ;extension=snmp



;extension=sodium ;extension=sqlite3 ;extension=tidy ;extension=xmlrpc ;extension=xsl

; Maximum size of POST data that PHP will accept.

; Its value may be 0 to disable the limit. It is ignored if POST data reading

; is disabled through enable_post_data_reading.

; http://php.net/post-max-size

post_max_size=128M

; Maximum execution time of each script, in seconds ; http://php.net/max-execution-time ; Note: This directive is hardcoded to 0 for the CLI SAPI max_execution_time=120

- 11. Then open xampp control panel
- 12. Open a browser (edge or mozilla) and type https://localhost/xibo/web/install/index.php/1
- 13. Then follow the installation procedure displayed in the installation process
- 14. After the installation is complete and xibo login is open, then do not log in first and close the browser
- 15. Open xampp control panel then stop Apache and MySql operations but do not close xampp control panel
- 16. Open the index.php file in the folder path C:\xampp\htdocs
- 17. Then edit it as shown below:

```
<?php

if (!empty($_SERVER['HTTPS']) && ('on' == $_SERVER['HTTPS'])) {

    $uri = 'https://';

    } else {

        $uri = 'http://';

    }

    $uri .= $ SERVER['HTTP HOST'];

    header('Location: '.$uri.'/xibo/web/');

    exit;

?>

Something is wrong with the XAMPP installation :-(
```

then save the file (don't select Save As)

18. Open the httpd.conf file in the folder path C:\xampp\apache\conf then search for the word "documentroot" by pressing the control key and F key simultaneously then type documentroot then press enter. After finding the word, then change it as shown below:

```
#
```

DocumentRoot: The directory out of which you will serve your
documents. By default, all requests are taken from this directory, but
symbolic links and aliases may be used to point to other locations.

DocumentRoot "C:/xampp/htdocs/xibo/web" <Directory "C:/xampp/htdocs"> then save the file (don't select Save As)

19. Then open the sendmail file.ini in the folder path C:\xampp\sendmail, then edit the file as shown below:

; configuration for fake sendmail

; if this file doesn't exist, sendmail.exe will look for the settings in ; the registry, under HKLM\Software\Sendmail

[sendmail]

; you must change mail.mydomain.com to your smtp server, ; or to IIS's "pickup" directory. (generally C:\lnetpub\mailroot\Pickup) ; emails delivered via IIS's pickup directory cause sendmail to ; run quicker, but you won't get error messages back to the calling ; application.

smtp_server=mail.example.com change this with your smtp email you have

; smtp port (normally 25)

smtp_port=587

; SMTPS (SSL) support

- ; auto = use SSL for port 465, otherwise try to use TLS
- ; ssl = alway use SSL
- ; tls = always use TLS
- ; none = never try to use SSL

smtp_ssl=tls

- ; the default domain for this server will be read from the registry
- ; this will be appended to email addresses when one isn't provided
- ; if you want to override the value in the registry, uncomment and modify

default_domain=mail.example.com

Change this with your smtp server email

; log smtp errors to error.log (defaults to same directory as sendmail.exe) ; uncomment to enable logging

error_logfile=error.log

; create debug log as debug.log (defaults to same directory as sendmail.exe) ; uncomment to enable debugging

debug_logfile=debug.log

; if your smtp server requires authentication, modify the following two lines

auth_username= auth_password=

Fill this with your email username and password

; if your smtp server uses pop3 before smtp authentication, modify the ; following three lines. do not enable unless it is required.

pop3_server= pop3_username= pop3_password=

; force the sender to always be the following email address ; this will only affect the "MAIL FROM" command, it won't modify ; the "From: " header of the message content

force_sender= Fill this with your email

; force the sender to always be the following email address ; this will only affect the "RCTP TO" command, it won't modify ; the "To: " header of the message content

force_recipient=

; sendmail will use your hostname and your default_domain in the ehlo/helo ; smtp greeting. you can manually set the ehlo/helo name if required

hostname=localhost

then save the file (don't select Save As)

20. Then open the php file.ini in the folder path C:\xampp\php then edit the file as shown below:



; For Win32 only. ; http://php.net/sendmail-from sendmail_from = Fill this with your email

; For Unix only. You may supply arguments as well (default: "sendmail -t -i"). ; http://php.net/sendmail-path sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"

; Force the addition of the specified parameters to be passed as extra parameters ; to the sendmail binary. These parameters will always replace the value of ; the 5th parameter to mail(). ;mail.force_extra_parameters =

then save the file (don't select Save As)

- 21. Reopen the xampp control panel and re-enable Apache and MySql
- 22. Reopen the browser and then type the ip address owned by the computer that has xampp and xibo installed

23. Open notepad and create a file as follows:

```
{
    "listenOn": "tcp://127.0.0.1:5555",
    "pubOn": ["tcp://*:9505"],
    "debug": true
```

}

then save the file with the name config.json then save the do path folder C:\xampp\htdocs\xibo\vendor\bin

24. Open notepad, then create an email like the example below:

<?php

mail('youremail@gmail.com', 'Email Subject', 'This is a test');

?>```

then save it with the name testemail.php and save it in the folder path C:\xampp\htdocs\Test. Previously you created a folder named Test in the folder path C:\xampp\htdocs

25. Open Notepad again and type the formula as below:

cd C:\xampp\htdocs\xibo\vendor\bin php xmr.phar

and then save as XMR.bat in folder path C:\xampp\htdocs\xibo

- 26. Open Task Scheduler and create some task schedulers for Xibo as below:
 - A. Task Scheduler for Test Email

See the pictures below:

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Author:					
Description:	I				
Security opti-	ons				
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O Run whe	her user is logged o	n or not			
🕑 Do ne	ot store password. T	he task will only	have access to lo	al computer resou	urces.
Run with	highest privileges				
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B. Task Scheduler for xtr xibo

See the pictures below:

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Xibo Mair eneral Tri Specify the run if any Idle Start th Start th Start th Start th Start th Start th	Itenance Properties (Local Computer) ggers Actions Conditions Settings His e conditions that, along with the trigger, dete condition specified here is not true. It ask only if the computer is idle for: Wait for idle for: if the computer ceases to be idle estart if the idle state resumes It ask only if the computer is on AC power if the computer switches to battery power the computer to run this task	tory rmine whether th 10 minutes 1 hour	OK ne task should run. 1	Cancel
Xibo Mair eneral Tri Specify the run if any Start th Start th Start th Start th Start th Start th Start th Start th Start or Start or	Itenance Properties (Local Computer) ggers Actions Conditions Settings His conditions that, along with the trigger, dete condition specified here is not true. e task only if the computer is idle for: Wait for idle for: if the computer ceases to be idle estart if the idle state resumes e task only if the computer is on AC power if the computer so to battery power the computer to run this task ly if the following network connection is available.	tory rmine whether th 10 minutes 1 hour	OK ne task should run. 1	Cancel The task will not
Xibo Mair eneral Tri Specify the run if any Idle R Start th Start th Start th Start th Start th Start th Start or Any cor	Itenance Properties (Local Computer) ggers Actions Conditions Settings His e conditions that, along with the trigger, dete condition specified here is not true. It ask only if the computer is idle for: Wait for idle for: if the computer ceases to be idle estart if the idle state resumes It the idle state resumes It ask only if the computer is on AC power if the computer switches to battery power the computer to run this task It is following network connection is available and the following network	tory rmine whether th 10 minutes 1 hour	OK te task should run. 1	Cancel The task will not
Xibo Mair eneral Tri Specify the run if any Idle — Start th Start th Start th Start th Start th Start or Network Start or Any cor	Itenance Properties (Local Computer) agers Actions Conditions Settings His e conditions that, along with the trigger, deter condition specified here is not true. e task only if the computer is idle for: Wait for idle for: if the computer ceases to be idle estart if the idle state resumes e task only if the computer is on AC power if the computer switches to battery power he computer to run this task ly if the following network connection is avain mettion	tory rmine whether th 10 minutes 1 hour	OK ne task should run. 1	Cancel The task will not

B Xibo Maintenance Properties (Lo	ocal Computer)			×
General Triggers Actions Cond	litions Settings	History		
Specify additional settings that a	fect the behavior	of the task.		
Allow task to be run on dema	ind			
Run task as soon as possible	after a scheduled	start is missed		
If the task fails, restart every:		1 minute	Y	
Attempt to restart up to:		3 time	s	
Stop the task if it runs longer	than:	3 days		
If the running task does not e	nd when request	ed, force it to stop		
If the task is not scheduled to	run again, delete	it after:	30 days	
If the task is already running, the	n the following ru	le applies:		
Do not start a new instance	*			
			ОК	Cancel

C. Task Scheduler for startup xmr program in xibo

See the pictures below:

inge							
Name:	XiboXMRstart	up					
ocation:	\						
uthor:							
escription:							
Security opti	ions						
Security opti When runni	ions ing the task, us	e the follow	ing user ac	count:			
Security opti When runni raymo	ions ing the task, us	e the follow	ing user ac	count:	(Change User	or Group
Security opti When runni raymo Run only	ions ing the task, us v when user is le	e the follow ogged on	ving user ac	count:	(Change User	or Group
Security opti When runni raymo Run only Run whe	ions ing the task, us v when user is log	e the follow ogged on ged on or r	ing user ac	count:		Change User	or Group
Security opti When runni raymo Run only Run whe Do n	ions ing the task, us when user is log ot store passwo	e the follow ogged on iged on or r ord. The ta:	ving user ac not sk will only i	count: have access to local co	omputer res	Change User ources,	or Group
Security opti When runni raymo Run only Run whe Do n	ions ing the task, us when user is log ot store passwo	e the follow ogged on ged on or r ord. The tas	ring user ac not sk will only !	count: have access to local co	omputer res	Change User ources.	or Group
Security opti When runni raymo Run only Run whe Do n	ions ing the task, us when user is lo ot store passwo highest privile	e the follow ogged on ged on or r ord. The tas	ring user ac not sk will only !	count: have access to local co	omputer res	Change User ources.	or Group

Edit Trigger					>
De sie als as slo					
Settings	At log c	on			
O Any use	r				
• Specific	user:				Change User
Advanced set	tings				
Delay tas	k for:	15 minut	tes		
Repeat ta	isk every:	3 minute	es v	for a duration	on of: 1 day
Sto	p all runni	ng tasks a	t end of repet	tition duration	
Stop task	if it runs l	onger that	n: 3 days		
Activate:	12/06/20	23 🔍	17:15:16	: Synchr	ronize across time zones
Expire:	12/06/20	24	17:15:16	🔅 🗌 Synchr	ronize across time zones
🛃 Enabled					
Edit Action					×
Edit Action You must	specify	what ac	tion this ta	ask will perform.	×
Edit Action You must Action:	specify Start a p	what ac	tion this ta	ask will perform.	×
Edit Action You must Action: Settings	specify Start a p	what ac	tion this ta	ask will perform.	×
Edit Action You must Action: Settings Program	specify Start a p m/script	what ac program	tion this ta	ask will perform.	×
Edit Action You must Action: Settings Program C:\xamp	specify Start a p m/script	what ac program : :s\xibo\>	tion this ta	ask will perform.	×
Edit Action You must Action: Settings Program C:\xamp Add arg	specify Start a p m/script op\htdoo guments	what ac program : :s\xibo\> : (optior	tion this ta (MR.bat nal):	ask will perform.	×
Edit Action You must Action: Settings Program C:\xamp Add arg	specify Start a p m/script op\htdoo guments	what ac program : :s\xibo\> ; (optior	tion this ta (MR.bat nal):	ask will perform.	×
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p m/script op\htdoc guments (option:	what ac program : :s\xibo\> ; (optior al):	tion this ta (MR.bat nal):	ask will perform.	×
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p m/script op\htdoo guments (option:	what ac program : :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	× Browse
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p m/script op\htdoo guments (option:	what ac program : :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	× Browse
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p m/script op\htdoo guments (optiona	what ac program :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	Browse
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p m/script pp\htdoc guments (option:	what ac program : :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	×
Edit Action You must Action: Settings Prograr C:\xamp Add arg Start in	specify Start a p m/script op/htdoc guments (optiona	what ac program : :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	Browse
Edit Action You must Action: Settings Program C:\xamp Add arg Start in	specify Start a p n/script op\htdoo guments (option:	what ac program : :s\xibo\> : (optior al):	tion this ta (MR.bat nal):	ask will perform.	Browse

OK

Cancel

Seneral Triggers Actions Conditions Settings Hi	story	
Specify the conditions that, along with the trigger, det	ermine whether the task should run. The	task will not
Idle		
Start the task only if the computer is idle for:	10 minutes	
Wait for idle for:	1 hour	
Restart if the idle state resumes		
Power		
Start the task only if the computer is on AC power		
Stop if the computer switches to battery power		
Wake the computer to run this task		
Network	ailable:	
Any connection		
	ОК	Cancel
	ОК	Cancel
XiboXMRstartup Properties (Local Computer)	ОК	Cancel
XiboXMRstartup Properties (Local Computer)	ОК	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist	OK ory	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th	OK ory e task.	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th	OK ory e task.	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand	OK ory e task.	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start	OK ory e task.	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start If the task fails, restart every:	OK ory e task. is missed	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every:	OK ory e task. is missed	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to:	OK ory e task. is missed 1 minute 3 times	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than:	OK ory e task. is missed 1 minute • 3 times 3 days •	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triqgers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than:	OK ory e task. is missed 1 minute • 3 times 3 days •	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than: If the running task does not end when requested, for	OK ory e task. is missed 1 minute 3 times 3 days Cree it to stop	Cancel
XiboXMRstartup Properties (Local Computer) eneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than: If the running task does not end when requested, fo If the task is not scheduled to run again, delete it aff	OK ory e task. is missed 1 minute • 3 times 3 days • rce it to stop er: 30 days •	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than: If the running task does not end when requested, fo If the task is not scheduled to run again, delete it aft	OK ory e task. is missed 1 minute • 3 times 3 days • rce it to stop er: 30 days •	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than: If the running task does not end when requested, fo If the task is not scheduled to run again, delete it aft If the task is already running, then the following rule approximation	OK ory e task. is missed 1 minute • 3 times 3 days • rce it to stop er: 30 days •	Cancel
XiboXMRstartup Properties (Local Computer) ieneral Triggers Actions Conditions Settings Hist Specify additional settings that affect the behavior of th Allow task to be run on demand Run task as soon as possible after a scheduled start i If the task fails, restart every: Attempt to restart up to: Stop the task if it runs longer than: If the running task does not end when requested, for If the task is not scheduled to run again, delete it aff If the task is already running, then the following rule app Do not start a new instance	OK ory e task. is missed 1 minute 3 times 3 days 9 rce it to stop er: 30 days 9	Cancel

PS: If you want to call the xibo server in the browser by just typing the ip address, then you can follow the instructions number 17 and 18 above