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CHAPTER I: INTRODUCTION

Thank you for purchasing the PICOBOX Facility Management Controller (FM Guard).

FM Guard is an industrial DIN rail device used as remote surveillance, or as a low-priced autonomous system, which monitors and controls different process on distant localities. This device is powerful, easy to configure, and to install.

FM Guard uses two methods to update the firmware: First is through *online update* wherein the FM Guard must be connected to internet; Second is through *direct update* or through the *FM Guard Updater Tool* wherein the FM Guard must be connected directly to a laptop or a PC via debugging cable.

This manual will serve as a guide on how to update FM Guard's firmware using the **Updater Tool**.





CHAPTER II: FM GUARD UPDATER TOOL

FM Guard updater is a tool used to directly update the FM Guard's firmware. This tool can be downloaded on our website, <u>https://linkwisetech.com</u>. The updated tool is an executable file and it doesn't require any installation.

A USB A to mini–USB B cable is needed to connect the FM Guard directly to laptop or PC (please note that this is included together with the FM Guard device upon purchase).







CHAPTER III: FIRMWARE UPDATE

Downloading the tool and firmware

In order to update the FM Guard to its latest version, the Updater tool and firmware must be downloaded first. You may access it on our website, just go through the 'Products' link then click the FMGUARD section or you may use this link: https://linkwisetech.com/products/facility-monitoring-system/picobox/fm-guard/.

Connecting the FM Guard device to your computer

From your laptop/PC, plug the USB A to mini–USB B cable to the FM Guard device and laptop/PC to build a connection.





Running the Updater Tool

After downloading the tool and firmware and connecting the FM Guard to you laptop/PC, extract the downloaded Updater tool and run the executable file.

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	File	Setup	About					
	Conne	ected using (cable. SER: 3152	lication Transfer Resume 31041 Fw: 2.02.	00 APP:	: FMG / 5.	00 TRI	
			Image 3: F	M Guard Update	r Tool			
On the lo	wer left of	the Upda	ater tool windo	ow, you will the	e followi	ng d <mark>e</mark> ta	uls:	28
a. C b. S c. C d. F	onnection erial numb urrent ken M Guard v	Status – per of the nel versic version.	If Laptop/PC FM Guard; n; and			the FM	I Guard;	
a. C b. S c. C d. F	onnection erial numb urrent ken M Guard v	Status – per of the nel versic rersion.	If Laptop/PC FM Guard; on; and			the FM	I Guard;	PB FT S/N: PI Imput Vo





Setup page

Setup page is the settings for communication port setup. It automatically recognizes what USB port used.

	Settings -Communication port setu Direct cable connection:	P USB1 NONE USB1		
			PLOBER I	
File page	OK Image 4: S	Cancel	TX	FM Guard Pastiso2159 Voltage: 12.24V

File page is the application's page that selects a firmware file (.rpc) to be uploaded to the connected FM Guard.

Ap	plication	>	Select file		
Exit	t		r Application (Direct) ——		
			Transfer		
			Resume		
		fmguard	d-devphase.rpc		

Image 5: Setup Page



Once the firmware file is selected, it will appear in the main screen of the updater tool.

	FMØ FM	Guard	Updater Tool		_		×	
	File Se	tup	About					
	Connecte	ed using	Transfer Ap	oplication (Direct) Transfer Resume oject-v5.00.07d.rpc	2.00 APF	2: FMG / 5	.00 TRI	
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		lı	nage 6: Update	er Tool with sele	cted firmv	ware		₩
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Transferring (of firmv	vare						UT SA
After selecting connected FM	the firr Guard.	nware Wait	file, click the until the firm	e 'Transfer' bu ware uploading	tton. The g status	e file wi is fin <mark>is</mark> h	ll start to ed.	upload to the
		Tra	ansfer to FMG d	evice				
			UD	loading application				

	Transfer to FMG device	
mens bekenstellech com	uploading application	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	68%	
The second se	Cancel	

Image 7: Updater Tool Updating Progress

When uploading of firmware is done, the FM Guard will automatically restart in order for the uploaded firmware to take effect.

About page

About page is the information page about the FM Guard Updater Tool.



