# BIOMETRIC DEVICE INSTALLATION

# Prepared by CHI, MoHFW DATE – 14-07-2025

MANTRA MFS110 REGISTERED DEVICE SERVICE -MANUAL WINDOWS

MANTRA SOFTECH INDIA PVT LTD Version 1.1.0

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This user manual has been prepared for the use of UIDAI certified Mantra MFS110 Biometric device only. The instructions mentioned in this user manual may vary with other brands of UIDAI certified biometric devices.

#### List of UIDAI Certified Biometric Authentication Devices.

Please click here on this link to see the list of Aadhar approved biometric devices, your device should be one of this list.

https://uidai.gov.in/images/resource/list\_of\_UIDAI\_certified\_device\_vendors\_06\_05\_2021.pdf

#### This documentations is prepared for Mantra RD Service & MFS110 Driver Setup.

Installations process will be different for different manufacture devices accordingly you should follow your device manufacturer guidelines for installations.

#### 1. Download link for Mantra RD Service Setup.

Registered device service of MFS110 is fully compatible with latest Aadhar Authentication API.

Registered device service Setup for MFS110 is available on our download portal

#### https://www.mantratec.com/Download/User



Click on both link and download.

Download MFS110 RD Services Download MFS110 Drivers

Install Mantra RD Service & MFS110 Driver Setup.

# 2. Mantra MFS110 Driver Setup Installation.

#### 1. Start installation:

Right click on setup file and select "Run as administrator".

Note: To install MFS110 scanner drivers and necessary service, setup need to access system32 folder. In this case setup need administrator privileges.



# 2. Welcome Wizard and Destination Location:



# 3. Finish Driver Installation



# 3. Mantra MFS110 RD Service Installation .

## 1. Start installation:

- Right click on setup file and select "Run as administrator".
- Note: To install Mantra RD Service, setup need administrator privileges.

MantraMFS110RDServ		24 02 0022 44 07	A 19 19	754 KB
	Open			
	🎈 Run as ad	ministrator		
	Troublesh	oot compatibility		
	Pin to Sta	t		

# 2. Welcome Wizard:

Setup - Mantra MFS110 Registered Device Service version 1.0.1	-		×
Select Start Menu Folder		5	N
Where should Setup place the program's shortcuts?		(	Non)
Setup will create the program's shortcuts in the following Star	t Menu	folder.	
To continue, click Next. If you would like to select a different folder, cl	Ick Brov	vse.	1
(Deraur)	Bro	wse	
Don't create a Start Menu folder			
Next		Can	cel
Next		Can	cei

# 3. Destination Location:

ady to Install Setup is now ready to begin installing	g Mantra MFS110 Registered Device Service
on your computer.	
Click Install to continue with the inst change any settings.	allation, or <mark>click Back if you want to review o</mark> r
Destination location: C:\Program Files\Mantra\RDSer	vice\MFS110
Start Menu folder: (Default)	
<	>

4. Finish RD Service Installation:



• After installation of RD Service, it can be found under Services form "Control Panel\All Control Panel Items\Administrative Tools".

Services (Local)	-				
Mantra MFS110 AVDM	Name	Description	Status	Startup Type	Log On As
	🖏 Mantra AVDM	Mantra Aad	Running	Automatic	Local Syste
Stop the service	Mantra MFS110 AVDM	Mantra MFS	Running	Automatic	Local Syste
vestari, the service	Antra MIS100V2 AVDM	Mantra MIS	Running	Automatic	Local Syste

# 4. MFS110 L1 Registered Device

- When RD Service will detect device then it will convert it into registered device and user will be notified with success response by RD Service
- After that you need to unplug and plug your device.

MANTRA AV	/DM 🛞
You have successfully converted registered devic Kindly unplug and plug your	device into aadhaar e. device again.
Ver: 1.1	ОК

 If your device is not listed at Mantra Management Server than user will be notified with below message so in this case you need to contact with our Servico Team at <u>http://servico.mantratecapp.com</u> Or +91-79-49068000.



- Once registered MFS110 device will be plugged to the system, RD service will detect it automatically and validate it on Mantra's Management Server.
- Once validation competed then it will generate below popup for user information.



# 5. RD Service Test Application

- 1) HTTP : <u>http://rdtest.aadhaardevice.com/</u>
- 2) HTTPS : <u>https://rdtest.aadhaardevice.com/</u> (Test https URL if your website is in https)
- By running RD Service Test application, user can detect all RD Services installed in their system.

Initialized Framework	Discover AVDM	Device I	Info	Capture	Reset					
Select Option to Capture										
AVDM			DataType	Wadh	Finger Coun	t	Face Cou	nt	Iris Type	
(READY-11100)Mantra MFS11	0 Authentication Vendor Device Ma	inager v	X v		1	۷	0	۷	SELECT	۷

• User can get Device Information which is connected to its system.

nitialized Fram	ework	Discov	ver AVDM	Device Info	Capture	Reset				
Select Option to	) Capture					11				
AVDM					DataType W	/adh	Finger Count	Face Count	Iris Type	
(READY-11100)M	lantra MFS110	Authentication Vendor	Device Manager	۷	X ¥		1 🗸	0	SELECT	٧
îmeout		PidVer		Env	Client Key		Iris Count	Finger Type	Face Type	
10000	۷	2.0	۷	PP v	Enter text		0 🗸	FMR	✔ SELECT	۷
Timeout		PGCount			OTP					
20000	v	2	¥		Enter text					
AVDM / Devic	e Info						Pid Options			
xml version=<br <device dpl<br="" info="">mc="MIIDzTCC 1TSVBMIEwxIF xCzAJBgNVBA</device>	'1.0'?> d='MANTRA.I ArWgAwIBAgI BPQzExCzAJI gTAkdKMQswI	ISIPL" rdsid="RENES. MjawMEE4NjawDQY. BgNVBAsTAkIUMSUw CQYDVQQGEwJJTjae	AS.MANTRA.DD1 JKoZihvcNAQELE IwYDVQQKExxN Fw0yMTA0MTUv	" rdsVer="1.0.0" mi="MFS110" 3QAwg2sxHzAdBgkqhkiG9w0BC0 YW50cmEgU29mdGVjaCBJbmRp vNDQwMDRaFw0yMTA1MTQxM1	DEWEHJKQG1hbnRyYXRU YSBQdnQgTHRkMRIwEA TeyNTBøMIGwMSQwigYJH	A /YSjb20xFj4UBgNVBAMTDU YDVQQHEwlBaG1/ZGFIVWQ (ozlincNAQkBFhVzdXBwb3J ▼				

• By calling capture function of RD service, user can capture biometric data.

nitialized Framework	Discover AVDM	Device Info	Captur	e Reset				
Select Option to Capture								
AVDM			DataType	Wadh	Finger Count	Face Count		Iris Type
(READY-11100)Mantra MFS110	Authentication Vendor Device Man	ager 🗸	X V		1	•	~	SELECT
Timeout	PidVer	Env	Client Key		Iris Count	Finger Type		Face Туре
10000 🗸	2.0 🗸	PP v	Enter text		0	Y FMR	*	SELECT
PTimeout	PGCount		OTP					
20000 🗸	2 🗸		Enter text					
<pre> <deviceinfo.dpid="mantra: mc="MIIDzTCCArWgAwIBAg 1TSVBMIEwxIFBPQzExCzAJ xCzAJBgNVBAgTAkdKMQsw</deviceinfo.dpid="mantra: </pre>	MSIPL" rdsid="RENESAS.MANTRA IMjAwMEE4NjAwDQYJKoZihvcNA BgNVBAsTAkIUMSUwiwYDVQQKI CQYDVQQGEwJJTjAeFw0yMTAD)	.001" rdsVer="1.0.0" mi="MFS110" QELBQAwgZsxHzAdBgkqhkiG9w0BC zxxNYW50cmEgU29mdGVjaCBJbmR dTUwNDQwMDRaFw0yMTA1MTQxM	QEWEHJkQG1hbnRy pYSBQdnQgTHRkMR TEyNTBaMIGwMSQw	YXRIYy5jb20xFjAUBgNVBAMTDU IwEAYDVQQHEwIBaG1lZGFYVWQ IgYJKoZlhvcNAQkBFhVzdXBwb3J	fType="0" iCounpid/ver="2.0" timenv="PP" /> <cr< td="">/CustOpts&gt; </cr<>	1.0" /> <piduptions ver-<br="">t="0" pCount="0" pgCou eout="10000" pTimeout: ustOpts&gt;<param name="&lt;br"/>lidOptions&gt;</piduptions>	="1.0"> <opt int="2" forma ="20000" po: "mantrakey"</opt 	stount="1" st="0" sh="UNKNOWN" 'value="" />
Pid Data								2

#### Mantra Management Server

- It is necessary that RD service installed in client machine must interact with Mantra's Management Server.
- For that, client machine must access the domain <a href="https://aadhaardevice.com">https://aadhaardevice.com</a> and it's all subdomains.

# 6. Proxy Setting

# Proxy in Network (if proxy is required to connect internet)

After installation of RD Service below Application - Config Mantra MFS110 RDService shortcut will be available on 'desktop' as well as in 'All Programs'.



Enter Username and Password if Proxy Authentication is required otherwise keep as Blank.



> On "OK" Message of Test Proxy, click on **Save Proxy**.

Proxy Setting	gs			
Proxy Server	192.168.1.207		Proxy Port	809
Keep blank U	JserName & Password if P	roxy Auther	ntication is	not required
User Name		Password		
	dition			
Proxy Mo	Proxy Settings Save Successf	ully, Kindly U	nplug and Plu	ıg Device.

You need to "Unplug and Plug" device so RD Service will take that proxy setting to communicate "Mantra Management Server".



utomatic con se of manual	figuration may ove settings, disable a	rride man	ual setting	s. To ensure the on.
Automatica	lly detect settings		-	
Use automa	atic configuration s	cript		
Address				]
roxy server				
Use a prox dial-up or V	y server for your L 'PN connections).	AN (These	e <mark>s</mark> ettings	will not apply to
Address:	192.168.1.99	Port:	808	Advanced
	provu server for k	ocal addre	2922	

# 7. Browser Configuration for RD Service

#### 1) Chrome

If Web Application which is calling RD Service API is running on HTTP then configure your chrome browser as below. Browse below URL to change value to 'Disable' for 'Block insecure private network requests'

#### chrome://flags/#block-insecure-private-network-requests

Diock insecure private network requests.		
addresses. See also: https://developer.chrome.com/blog/private-network-access-update/ –	Default	~
Mac, Windows, Linux, ChromeOS, Android, Fuchsia, Lacros	Default	
<u>#block-insecure-private-network-requests</u>	Enabled	
	Disabled	
Send Private Network Access preflights		
Enables sending Private Network Access preflights ahead of requests to more-private IP		
addresses. Failed preflights display warnings in DevTools without failing entire request. See	Default	~
also: https://developer.chrome.com/blog/private-network-access-preflight/ – Mac, Windows Linux ChromeOS Android Euchsia Lacros		
#private.patwork.accore.acod.profiliable		
<u>#pirvate network access send prenigino</u>		
Respect the result of Private Network Access preflights		
Enables sending Private Network Access preflights ahead of requests to more-private IP		
addresses. These preflight requests must succeed in order for the request to proceed. See	Default	~



#### 2) Firefox

Browse below URL to change value to **TRUE** for **'network.websocket.allowinsecure-FromHTTPS' about:config** 

network.websocket.allowInsecureFromHTTPS		Show only modified prefe	
rk.websocket. nsecureFromHTTPS	true	\$	
isecurerromini TPS			

#### 3) Microsoft Edge

Browse below URL to change value to 'Disable' for 'Block insecure private network requests'

#### edge://flags/#block-insecure-private-network-requests

€ C	<b>Q</b> Edge   edge//flags/#block-insecure-private-network-requests		
		Q Search flags	Reset all
	● <mark>Bic</mark> Pre adi <u>#bi</u>	<mark>ck insecure private network requests.</mark> vents non-secure contexts from making subresource requests to more-priv tresses. – Mac, Windows, Linux, Android ock-insecure-private-network-requests	ate IP Disabled 🗸



#### 4) Internet Explorer







## 8. Configure System Time Zone

Pate and Time			
Date and Time Additional Clocks Internet Time			
Date: Friday, August 18, 2017 Time: 3:19:22 PM			
Time zone			
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi			
Change time <u>z</u> one			
Daylight Saving Time is not observed by this time zone.			
Get more time zone information online How do I set the clock and time zone?			

#### 9. Device Registration on Management Server

To list device pre-production or production, send serial number of device to **servico@mantratec.com** 079-49068000 or 079-69268000

#### **10. Technical Support**

Mantra Support Team servico@mantratec.com 079-49068000 or 079-69268000 This information can be shared with your clients or end user for any kind of technical support.