





User guide – WaveDB CONNECT 14/06/2021





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i. Important URLs(1/1)

-USA

Device management portal - https://welcome.wavedb.com/login

Self-Registration of incumbents - https://usa.wavedb.com/

PAWS URL - https://paws-usa.wavedb.com/

-Canada

Device management portal - <u>https://canada-welcome.wavedb.com/</u>

Self-Registration of incumbents - <u>https://canada-incumbents.wavedb.com/</u>

PAWS URL - https://paws-canada.wavedb.com/

-UK

Device management portal - https://welcome.wavedb.com/login

PAWS URL - https://paws-uk.wavedb.com/

(or)

https://paws.wsdb.uk

PAWS URL provided by OFCOM https://tvws-databases.ofcom.org.uk/weblist.json



ii. Register as a New User(1/5)

Go to https://welcome.wavedb.com/login (USA, UK) FIN HNOLDBIES WAVE DB https://canada-welcome.wavedb.com/ (Canada) A Username (email Q. Password Sign up If you are a new user, Click on SIGN UP and follow the steps. NOTE: The parent user must sign up first (who is responsible for the billing), he/she can add other users as child users using Cookie Policy that account.



ii. Register as a New User(2/5)



<u>NOTE:</u> If you have already signed up as a user. You will receive a temporary One Time Password (OTP) which you have to use while logging in.



ii. Register as a New User(3/5)



- A secret code will be sent to your email address that you mentioned. Fill it in the above-mentioned field and click on **SUBMIT.**



ii. Register as a New User(4/5)

		Operator Dashboard	
Devices • WaveDB Connect • Account overview	Update user: redc	ustomer	User Guide L
	First Name *	red	
	Last Name	customer	
	Username *	Tradicationer	
	Email *	market and a second second	
	Change Password	Enter new password (at least 8 characters)	
	Company name	xxx	
	Company registration number	0123456789	
	Postal address *	133 Street City Country	
	Telephone Number	00000000	
	Billing Details		
	First Name *	Red	
	Last Name *	Customer	
	Email *	redcustomer@email.com	
	Company name •	3555	
	Company registration number	0123456789	
	Postal Address Details *	123 Street City Country	
the second second		•	
	Telephone Number *	000000000	ALL NO.
	Communication preferences	I'd like to receive helpful marketing communication from Red technologies	All sum and the second
	Terms and Conditions	Agree to WaveDB Connect Terms of Use and have read and acknowledge our Privacy Statement.	
		Update User	
			A State of the second s

- Fill all the mandatory information and click on **Update User**.
- These details will be cross checked by our tech team, once validated you will be granted access to the portal.





ii. Register as a New User(5/5)

RED WAYE OB				
				Log Out
all in the second	Update user:	ed the Sign Up process	×	
	First Name *	receive a conformation email. You can Log out.		
	Last Name	doe		
	Username *			
	Email *			
	Change Password	-		
State of the second	Company name	Enter company name		
	Company registration number			
	Postal address *	123 street city <u>pincode</u>		
200				
and the second second	Telephone Number			
	Billing Details			
	First Name			All the second s
	Last Name			
	Email	Enter email		

- You will receive a pop-up message as follows once the sign up is successful.

<u>NOTE</u>: You will receive a confirmation email. You should login again as a registered user to view the operator dashboard.



iii. Log In as an Existing User(1/2)



- Go to <u>https://welcome.wavedb.com/login</u> (USA, UK), <u>https://canada-welcome.wavedb.com/login</u> (Canada)
- Enter your username and password and click LOG IN.



iii. Log In as an Existing User(2/2)



- A one-time secret code has been sent to your registered email address.
- Enter the secret code and click on SUBMIT.

10

iv. Forgot password(1/5)







Cookie Policy

• Click on Forgot password.



iv. Forgot password(2/5)

RED TEGHNOLOGIES WAVE DB	Enter your username, and the recovery email address you previously set up, to be sent an email with a link to reset your password. If you have not set up, a recovery email this must be different from the email you log in with) then you cannot reset your password; please contact wavedbsupport@redtechnologies.fr.
Username (email) Pessword	L Username (email) Recovery email SUBMIT
LOG IN Sign up Forgot password?	
Conixe Policy	

- Enter your username, recovery Email address that you provided while registering your account in the popup.
- Click on **SUBMIT** after providing the details.



iv. Forgot password(3/5)



A link will be sent to the recovery email address as shown above.



To reset your password, please use the following url to have the account overview: http://localhost:4200/resetpassword?uuid=f-98574d80-e826-4210-b0c5-94e560b6beaa

This url will expire in 10 minutes and can be used only once.

This url is confidential. For security reasons, Do NOT share the url with anyone.

iv. Forgot password(4/5)

LANN	1
Reset Password	
Username (email)	
SUBMIT	

- By clicking on the link provided/in email. you will be redirected to a page where you can enter your existing username/email and your **new password**.
- After giving the current username, new password click on **SUBMIT**.



iv. Forgot password(5/5)

1		
	Reset Password	
-	Lustomer	
	Q	
	SUBMIT	
	Your password has been reset, please log in	- aller
I		

• Once you see that change of password is successful, you can login with your new password.



v. Account overview(1/3)

	Operator Dashboard	
A Devices - WaveDB Connect -	WaveDB Explore Account overview	Log Out
	<complex-block><section-header><section-header><section-header><section-header><section-header><section-header><image/></section-header></section-header></section-header></section-header></section-header></section-header></complex-block>	

You are on home page of WaveDB click on Account overview.

-



v. Account overview(2/3)

					Oper	ator Dashboard				
*	Devices •	WaveDB Connect •	WaveDB Explore	Account overview						Log Out
		1	6	Account overvie	ew.					
			100	Username 🕶	Email	Name	Services	Edit	Delete	
				sidmalli@redtechnologies.fr	sidmalli@redtechnologies.fr	[This is you] [Account holder]	Device API Operator Dashboard Licence WaveDB Explore			
										Terms of Use

- You will find your account information here and you can also edit details by clicking on **Edit** button next.



v. Account overview(3/3)

		Operator Dashboard			Update user: redc	ustomer
Devices* WaveDB Connect* Account everytew	Update user: redcu	stomer		User Builds 1.89 Dir	First Name *	red
· · · · · · · · · · · · · · · · · · ·	First Name *	red				
	Last Name	customer			Last Name	customer
	Username *				Username *	red bistótner
	Email *				217.0	
ş	Change Password	Enter new password (at least 8 characters)			Email *	
	Company name				Change Password	Enter new password (at least 8 characters)
	Company registration number	0123456789			e.	
	Postal address *	123 Street City Country				
	Telephone Mumber	di la constante				
		00000000				
F	Billing Details					
	First Name *	Red				
	Last Name *	Customer				
	Email *	redcustomer@email.com				
	Company name *	xxxx				
	Company registration number	0123456789				
	Postal Address Details *	123 Street City Country				
		e de la companya de l				
	relephone Number -	000000000				
	Lommunication preferences	I'd like to receive helpful marketing communication from Red technologies				
	Ferms and Conditions	Agree to WaveDB Connect Terms of Use and have read and acknowledge our Privacy Statement.				
			Update Uver			
			No and the second secon	Terms of Use		

- If you wish to change your password, enter your new password in the **Change Password** field and proceed to click on **Update User** button.





vi. Create a child user(1/2)



- Click on Create User.



vi. Create a child user(2/2)

	Operator	Dashboard	
A Devices - WaveDB Connect - Subscriptions	Account overview		User Guide Log Out
Add	New Child User		
First Nam	ne * test		
Last Nam	child		
Username	e * testchild@email.com		
Email *	testchild@email.com		
Create Pa	assword *		
Company	company		
Company	registration number 1234567890		
Postal ad	Idress * 123 street city country		
Tippe	a Number		
Telephon	0987654321		The
1			Terms of Use

- Fill in the mandatory details and click on **Create User**.



vii. Purchase licence(1/4)



- You can find purchase licence in WaveDB Connect drop down, click on Purchase licences.



vii. Purchase licence (while registering device)(2/4)

RED	0000	ratar Dashbaard	
MAVE BD Devices - WaveDB Connect - WaveD	Device Overview B Expli	×	Lag Dut
Device Se	Device Identifier Region Note	ABC, 123, 456 USA TV Whitespace Your notes here	
Q. Search devic Active WaveDB Co DSA Region 11VW ABC, 123, 450	Access Tokens	d-e2345598-7581-4b15-ba9e-ab366fe950c7 Add + Purchase licence	

You can also purchase a licence while registering a device by clicking on Purchase licence.



_

vii. Purchase licence(3/4)

Pricing Plan	Max Devices	Duration	Region	Price	per Licence
RED USA monthly plan	1 × BASE 00 × CLIENT	1 calendar month	USA TV Whitespace	\$20.00	Purchase ->
RED UK monthly plan	1 × BASE	1 calendar month	UK TV Whitespace	£20.00	Purchase →
					/

		Operator Dashboard	
Devices - WaveDB Connect	 Subscriptions Account overview 		User Golde Log Out
	Purchase Licence on UK	Partner 6m Plan	
	Order summary Product Norder of Liences Duration Price Total amount	Licence in UK Partner fon Plan 1 6-WORTHS 64.00 84.00	

>> You must purchase a licence for each base station.

>> More than one Client device can be attached to a licence.

• Click **Purchase** to purchase the licence you want; the **Payment** procedure will move forward.



vii. Purchase licence(4/4)



- Verify the Order summary.
- Click on **Pay** \$ amount (where the amount is what you pay), the **Purchase Confirmation** window will open.

NOTE: Users will be invoiced for every licence that is purchased whether it is attached to a device or not.



viii. Invoices(1/1)



• This page has all the invoices information.



ix. Device search(1/2)

-You are on your Operator Dashboard "Device Search" window. -If you have not yet registered any device, a message to that effect will

-If you have registered devices, they will appear here.

appear.

	B		Operator Dashboard	
😭 Devi	ces • WaveDB Connect •	WaveDB Explore Account overvie	ew	Log Out
	Devi a si active to DSA Rec ABC,	Ce Search earch device identifiers WaveDB Connect Licence Expires soon gion 1TV Whitespace DSA Region 2 TV 123, 789 Your notes here Your notes here	Expires by tomorrow None/Inactive All Whitespace UK TV Whitespace USA TV Whitespace ABC, 123, 456 Your notes here Part States	

>> You can also filter the devices based on regions(UK/USA/Canada only if you have devices registered across these locations mentioned), licence status(Active/inactive/expires soon/expires by tomorrow).



ix. Device search(2/2)



Exists	Condition	Doesn't exist	
⊕	Token associated	1	
2	Licence associated		
몲	Contact with database (PAWS request)		



x. Register Device and Generate Token(1/3)

	WAVE DB			Operator Dashboard	
*	Devices +	WaveDB Connect+	WaveDB Explore	Account overview	Log Out
	Device Sear	ch			
	Register De UK MCWSD UK MCWSD	vice Installation Records Licences			
		Devi	de Search		
		Q s	earch vevice identifiers WaveDB Connect Licence	Expires soon Expires by tomorrow None/Inactive All	
		DSA R	gion 1 TV Whitespace	DSA Region 3 TV Whitespace UK 'TV Whitespace USA TV Whitespace	
	-	No mate	hing devices found	Register Device	
		-			
			\		

- To register a new device, click on **Register Device**.
- >> The register Device window will open.
- >> You must register all devices base stations and client devices.
- >> You purchase a licence for a base station and can attach unlimited client devices.

x. Register Device and Generate Token(2/3)

	Register Device /	Opportune Deschboord Generate Device Access Token	×	
WaveDb Co	Manufacturer	ABC		Log Lot
	Model	123		
	Search device ident Search device ident Active WayeDB Connect Leance Expires sear. DEA Region 1177 Whitespace DSA Region 2 TV Whi No matching devices found	Expires by tomorrow Neces/Inactive All	T Regisser Device	

- Enter the name of the manufacturer of the device, its model and its serial, Click on **Register.**
- >> The token associated to the device is generated and displayed.

x. Register Device and Generate Token(3/3)

RED	Operator	Daahhaard		
AVE DE AVE DE	Device Overview	×	Log Cut	ł.
Device Search	Device Identifier At Region IIC Note You	C, 123, 456 NTV Whitespace In notes here		
Q 430 Active WaveDS Connect 1 OSA Region 1 TV Whitepe ABC, 123, 456	Access Tokens d-e WaveDB Connect Licence K Last Spectrum Request	2345598-7581-4b15-ba9e-ab366fe950c7		
/				

Add an optional Note (e.g. Operator name, address or location) and click on save.

-

xi. Delete Device(1/2)



- Click on the **Delete Device** button to delete the device.



xi. Delete Device(2/2)

-



NOTE: If the device made any spectrum request in past 3 months or If it is attached to a licence, the device cannot be deleted.



xii. Attach devices to licences(1/6)



- From the Operator Dashboard, select Licences and attached devices from the pull-down menu, or
- From the Purchase confirmation window, click on Licences.



Strictly confidential

xii. Attach devices to licences(2/6)

			Operato	r Dashboar	d				
Account overview							User Guide Lo	og Out	
							1000 No.		
	🔳 Wave	DB Connect Li	cences						Auto-Renew
	Q Search Lic	ence Id							- These licences will
	Active Expli	es soon Expires by tomor	row Inactive All						be auto-renewed
	Licence ID Short Full	Pricing plan	Attached Devices	Start UTC+2	End UTC+2	Toggle Auto-Renewal			every month.
	9d2ff34f ()	RED Customer 1m Plan	0 of 1 BASEs 0 of ∞ CLIENTs	2020/09/17 15:57	2020/10/17 15:57	Auto-Renew			
	beb8a520 🚺	RED Customer 1m Plan	0 of 1 BASEs 0 of ∞ CLIENTs	2020/09/17 15:59	2020/10/17 15:59	Auto-Renew			
	7cb13ea7	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/24 17:45	2021/03/24 16:45	Auto-Renew			
and the second sec	530af21d	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:27	2021/03/25 10:27	Auto-Renew			Auto-Renew
	f7b9b0c4	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:39	2021/03/25 10:39	Auto-Renew			
	74a9e69c	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:51	2021/03/25 10:51	Auto-Renew			
	6d115Sad	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 17:15	2021/03/25 16:15	Auto-Renew			- These licences will
	7d9a727d	UK test	0 of 5 BASEs 0 of 100 CLIENTs	2020/09/25 11:55	2021/09/25 11:55	Auto-Renew			not be renewed for the
	To use the V For your White Sy You will be invoid	VavBD Connect White Space 1 base Devices (WSDs) to contac ed quaterly for any licences y	Database (WSDB), you must the WSDB using the PAWS or purchase.	protocol, you must atta	ch each device to one of yr	ur licences. Licence Purchase Licences		rms of Use	coming month.

- The WaveDB Connect Licences window will open.
- >> The licences you have purchased will appear here.

xii. Attach devices to licences(3/6)

	🔳 Wave	DB Connect Li	cences				
	Q Search Lic	ence Id					
	Active Expi	res soon Expires by tomor	row Inactive All				
	Licence ID Short Full	Pricing plan	Attached Devices	Start UTC+2	End UTC+2	Toggle Auto-Renewal	
	9d2ff34f (1)	RED Customer 1m Plan	0 of 1 BASEs 0 of ∞ CLIENTs	2020/09/17 15:57	2020/10/17 15:57	Auto-Renew	
	beb8a520 🚺	RED Customer 1m Plan	0 of 1 BASEs 0 of ∞ CLIENTs	2020/09/17 15:59	2020/10/17 15:59	Auto-Renew	
	7cb13ea7	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/24 17:45	2021/03/24 16:45	Auto-Renew	
	530af21d	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:27	2021/03/25 10:27	Auto-Renew	
	f7b9b0c4	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:39	2021/03/25 10:39	Auto-Renew	
	74a9e69c	UK Partner 6m Plan	0 of 1 DEVICEs	2020/09/25 11:51	2021/03/25 10:51	to-Renew	
	6d1155ad	UK Partner óm Plan	0 of 1 DEVICEs	2020/09/25 17:15	2021/03/25 16:15	Auto-Renew	
	7d9a727d	UK test	0 of 5 BASEs 0 of 100 CLIENTS	2020/09/25 11:55	2021/09/25 11:55	Auto-Renew	
Concession of the local division of the loca	To use the V	VaveDB Connect White Space I	Database (WSDB), you must	purchase licences.			
	For your White S	pace Devices (WSDs) to contac red quarterly for any licences vi	t the WSDB using the PAWS	protocol, you must atta	ch each device to one of y	our licences.	

User can either choose to **auto-renew** or stop renewal of a licence by clicking on this checkbox

- To purchase more licences, click **Purchase Licences.**
- To attach devices to a licence, click on **Attach Device to Licence**, the **Device Overview** window will appear.



xii. Attach devices to licences(4/6)



Choose from the "Choose a licence" drop down a licence that you must attach to the device.



-

xii. Attach devices to licences(5/6)

	Device Overview	stor Dashboard X	
A Devices - WaveDB Connect - WaveDB Expl			Log Out
	Device Identifier	ABC, 123, 789	
	Region	USA TV Whitespace	
Device Search	Note	Your notes here	
Q Search device ident	Access Tokens	d-9a0de29f-df55-459d-bf9c-63951d1cabc5 d-1b710233-a788-4ca1-a2c5-3fd2fea9ae9f Add +	
A9C, 123, 789	🗙 WaveDB Connect Licence	Odd&a385: 0 of 1 0 of ex (RED UK monthly pla •	
1	💦 Last Spectrum Request	Attach device as Attach + BASE CLIENT	
		A	

- Choose device type from "Attach device as" drop down.
- >> Choose **BASE** for a base station.
- >> Choose **CLIENT** for a client device(e.g. CPE).

xii. Attach devices to licences(6/6)



Click Attach+

>> The licence will be attached to the indicated device, the **Device Overview** window will be updated.

- >> You must attach a licence to each device, including client devices.
- >> You will need to configure your base station (and possibly client devices with the associated **Tokens**).



xiii. Device access tokens(1/2)



- You will find this page in WaveDB Connect drop down under the option Device Access Tokens.
- This page has information of all the tokens and devices attached to those tokens.
- Generate a new token on clicking "Generate Token" button. (this will lead you to device registration page).



xiii. Device access tokens(2/2)



• To generate bulk tokens upload a file by following the instruction mentioned in the pop-up.



WaveDB Support

For support inquiries, please mail to wavedbsupport@redtechnologies.fr









Thank you

