CCARC's New Frequency Database

Instructions and theory of operation

All coordinations are owned by a user or a club. If the club is the owner, a club record must be created. The club record holds all of the coordinations. If you wish to grant a user access to club records, you must first have a user record to grant access.

Step by step process for resetting your password:

https://coordination.ccarc.net

Colorado Council of Amateur Radio Clubs Frequency Coordination Database

Please Login



Username and password are case sensitive User name may be your callsign in lower case

Reset Password via email

If you are a new user

Create new login

Type in your username, which is either club or callsign. A list of valid users for your account has been provided. A password reset will be sent to the address on record.

You may then log in using this username and password combination.

Step by Step process for creation of new user or club:

https://coordination.ccarc.net

Fill in all appropriate information in the box. Username is the official login. If it's a club, make sure you select the box next to "This is a Club" in order to allow you to add trustees and correspondence users. These users will have the ability to manage the club's coordinations. A user MUST exist first in order to allow them access to the club record.

Colorado Council of Amateur Radio Clubs Frequency Coordination Database

Coordination User

New User

Name and A	ddress	
User Name	<u>ا</u>	
Password	۹	
This is a Club		
Callsign		
Name		
Address Line 1		
Address Line 2		
City		
State	Colorado v	
ZIP		
Clausta et Terfa		
Contact Info	rmation	
Home Phone		
Work Phone		
Other Phone		
Email		
Website		

Logout

Once you add your user, you'll be able to add them to the approved user list. If they already exist in the database, you will be able to choose them. If they don't exist, you must add them first.

The pulldown below the list that says "Add user to approved list" will bring up a list of known users. These are all available to add to your list of approved users. Users may be removed by selecting the button to the right shown below as "REMOVE."

Арр	roved U	sers					
UID	Callaire	Name	Dorr				
155	K2AD	Doug Sharp	Rem	ove			
176	WOVG	John Maxwell	Rem	010			
202	WOVU	Soott Durkhordt	Rem	ove			
205	WORU	Scott Burkhardt	Rem	ove			
255		Freq Coordinator	Rem	ove			
359	K/PFJ	Mike Mullarkey	Rem	ove			
	Add user	to approved list	~	-			
Rep		obn Vanderau					
_	AA0FK Fo	orrest Kelley					
CID	AA0QC D	an Cook			Owner	Trustee	Correspondence
250	AA0SP M	ichael Bernstein			X	-	X
320	ABOAA S	teven Dunn			x x	-	-
418	AB0SF G	eorge Salzmann		e	X	x	_
435	AC0AU G	arvin O'hare		-	X	-	-
549	AC0EX D	on Baune			X	-	-
555	AC0KC R	obert Gallahan Iii			X	-	X
55 6	ACOKQ W	/illem Schreuder			X	-	X
599		ison Smallwood			X	-	х
600	AG0E lan	nes Oliver			X	-	Х
626	AIOL Mar	k Andrews			X	-	X
627	AI8Z Mike	e Mussler			X	-	X
646	AKOMR D	ave Bratcher		_	X	-	- V
620	AL7GQ G	ene Mcgahey		ringa	X	х	Х
683	KOAMA A	l Scholz		ings	X	-	-
693	KOARK A	len Bishop	~	rings	X	x	x
			100 Op				

Only YOUR approved users will be able to manage your coordinations. The data below is example data and is not representative of what your list will show.

Approved Users

UID	Callsign	Name	Remove
155	K2AD	Doug Sharp	Remove
176	W0VG	John Maxwell	Remove
203	W0KU	Scott Burkhardt	Remove
235		Freq Coordinator	Remove
359	K7PFJ	Mike Mullarkey	Remove
	Add user	to approved list	~

To see a list of your coordinations	, select Coordination from the menu and choose Coordinations.
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Ann An			A (77)			-	A De Courte	6 D. J. J. J.		An	-
y Chase ⊕y Sh	ipeit: 🕁 Ples	K 🖽 ZIP 🔼 Zimbr	a 🕁 EZ IV 🤝 leiguard	NAME AND ADDRESS OF AD			vs 🕒 Paysimple	🧐 KadarLab	Network	C 🕒 Doci	isign
lolorado Con	uncil of Ar	nateur Radio C	lubs Frequency Co	ordination	Database						
Coordinati	on User										Load
Coordinations											
Annual Lindat		C ":	C ()	Last							
N G V		Cuy	Status	Update							
New Coordina			Coordinated - On Air	2020-02-10							
326 N0SZ	449.2250	Wondervue	Coordinated - On Air	2020-02-10							
379 N0SZ	927.7500	Boulder	Coordinated - On Air	2020-02-10							
418 N0SZ	447.8500	Breckenridge	Coordinated - On Air	2020-02-10							
435 N0SZ	448.2250	Evergreen	Coordinated - On Air	2020-02-10							
549 K7PFJ	446.9875	Denver	Coordinated - On Air	2020-02-10							
555 K7PFJ	446.9500	Victor	Coordinated - On Air	2020-02-10							
556 N0SZ	446.9375	Evergreen	Coordinated - On Air	2020-02-10							
599 N0SZ	445.0500	Boulder	Coordinated - On Air	2020-02-10							
600 K7PFJ	446.7500	Fort Collins	Coordinated - On Air	2020-02-10							
626 N0SZ	446.8000	Wondervue	Coordinated - On Air	2020-02-10							
62/ N0SZ	145.1750	Evergreen	Coordinated - On Air	2020-02-10							
646 NUSZ	145.3700	Denver	Coordinated - On Air	2020-02-10							
670 AC0KQ	447.8500	Evergreen	Coordinated - On Air	2020-02-10							
680 NUSZ	145.2550	Colorado Springs	Coordinated - On Air	2020-02-10							
602 NI05Z	440.8123	Salida	Coordinated - On Air	2020-02-10							
605 K 7DET	445.0025	Enirolau	Coordinated - On Air	2020-02-10							
720 N0S7	445.0875	Brackanridge	Coordinated - On Air	2020-02-10							
72011052	445 1275	Durango	Coordinated On Air	2020-02-10							

Your list of coordinations will appear. If your annual updates are current, you will see the "Last Update" column will be green. If you are out of date, you will see red and a flag above will show

that the annual update is due. The button to the right will take you directly to the update needed.

On-air Certification is Due for CID 730

Coordination User

CID	Call	Frequency	City	Status	Last Update
13	KB0VJJ	145.1300	Colorado Springs	Coordinated - On Air	2017-12-08
17	KB0VJJ	145.1600	Walden	Coordinated - On Air	2017-12-08
32	KB0VJJ	145.3100	Denver	Coordinated - On Air	2017-12-08
38	KB0VJJ	145.3550	Grand Junction	Coordinated - On Air	2017-12-08
42	KB0VJJ	145.4000	Akron	Coordinated - On Air	2017-12-08
46	KB0VJJ	145.4450	Leadville	Coordinated - On Air	2017-12-08
94	KB0VJJ	146.8500	Glenwood Springs	Coordinated - On Air	2017-12-08
123	KB0VJJ	147.0750	Kremmling	Coordinated - On Air	2017-12-08
150	KB0VJJ	147.2850	Salida	Coordinated - On Air	2017-12-08
155	KB0VJJ	147.3450	Vail	Coordinated - On Air	2017-12-08
156	KB0VJJ	147.3450	Durango	Coordinated - Off Air	2017-12-08
265	W0IG	448.0750	Denver	Coordinated - On Air	2017-12-04
461	KC0RBT	447.4500	Fort Collins	Coordinated - On Air	2017-12-04
490	KB0VJJ	446.3250	Thorodin	Coordinated - On Air	2017-12-08
496	KB0VJJ	440.7000	Thorodin	Coordinated - On Air	2017-12-08
503	KB0VJJ	441.3250	Thorodin	Coordinated - On Air	2017-12-08
504	KB0VJJ	445.7000	Thorodin	Coordinated - On Air	2017-12-08
513	WA4CCC	447.4500	Winter Park	Coordinated - On Air	2017-12-04
679	KB0VJJ	147.3900	Breckenridge	Coordinated - On Air	2017-12-08
730	KB0VJJ	146.7300	Fort Collins	Coordination Issued	2017-12-08
733	KB0VJJ	147.2850	Winter Park	Coordinated - On Air	2017-12-08

Entering a new coordination:

Log into the frequency database as the club or a user that has rights to manage records.

Click "Coordination" and "New Coordination"

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<u>File Edit View History B</u> ookmarl	cs <u>T</u> ools <u>H</u> elp		
CCARC Frequency Database	Z Zimbra: Inbox	× CCARC Frequency Database	>
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Chase Dispett Plesk	🖨 ZIP 🗾 Zimbra 🌐 EZTV	😳 Telguard 🔮 VM 📄 Phones 📄 LISTS	

Colorado Council of Amateur Radio Clubs Frequency Coordination Database

Co	ordinat	ion User			
Co	ordinations	ŝ			
An	nual Updat	te	City	Status	Last Update
- Ne	w Coordin	ation –		Coordinated - On Air	2020-02-10
32	6 N0SZ	449.2250	Wondervue	Coordinated - On Air	2020-02-10
37	9 N0SZ	927.7500	Boulder	Coordinated - On Air	2020-02-10
41	8 N0SZ	447.8500	Breckenridge	Coordinated - On Air	2020-02-10
43	5 N0SZ	448.2250	Evergreen	Coordinated - On Air	2020-02-10
	O TODET	110.0075	D	0 1 1 0 1	2020 02 10

Once in the new coordination menu, you will be presented with a menu to fill out information about your proposed coordination. You must enter a callsign for the repeater and fill out the proper owner information. IF YOU DO NOT FIND THE RIGHT PERSON IN THE PULL DOWN, YOU MUST ADD A USER FOR THIS ENTITY!

A USER FOR THIS ENTITY!
Colorado Council of Amateur Radio Clubs Frequency Coordination Database
Coordination User
New Coordination
Submit Coordination Request Add Receiver
Items in blue are public if publication is selected.
General Information
Callsign
Status New Frequency Request
General
Remarks
Coordination
Owner
Holder of Record NOSZ Rocky Mountain Ham Radio v
Correspondence of This Frequency Freq Coordinator
Trustee of This Frequency Freq Coordinator

Note that default for Correspondence and Trustee defaults to the frequency coordinator. This must be changed.

Once the owner information is selected, you should see your list of approved options. To add a person not listed, you must add a new user (see instructions for adding a new user) and add these users as approved users in your club account. (see instructions for adding an approved user to your club account.)

Owner		
Holder of Record	N0SZ Rocky Mountain Ham Radio $$	
Correspondence of This Frequency	W0VG John Maxwell $$	
Trustee of This Frequency	Freq Coordinator 🗸 🗸	
	Freq Coordinator	
Frequency	K2AD Doug Sharp	
Sub-band 10m (29 MHz) Rep	K7PFJ Mike Mullarkey	
Output Frequency Unknown ~ MH	N0SZ Rocky Mountain Ham Radio	
Input Frequency N	W0KU Scott Burkhardt	
	W0VG John Maxwell	
Operation		
— · · · • • • • • • • • • • • • • • • • • • •		

Fill in the information for sub-band (the band your repeater will be coordinated in.)

You may suggest an Output Frequency in the pull down menu but this will be measured against the CCARC Frequency Coordination Policies available here: https://www.ccarc.net/images/CCARC_FCP_10-20-12.pdf

Frequency

Sub-band	70cm (440 M	IHz) Narrow Band Repeater	\sim
Output Frequency	TBD ~	MHz	
Input Frequency		MHz	

Operation

Emission	Mode
POCSAG	
FM Narrowband Analog Voice	
NXDN Ultra Narrow Voice and Data	
D-STAR Voice	
DMR Voice and Data	\checkmark
P25 Phase I Voice	
NXDN Narrow Band Voice and Data	
Mode Info	1
Operation	
Remarks	

Access

Transmitter I	leceiver	
CTCSS Off ~	Off ∽	
DCS Off ~	Off ~	
DMR Color Code 7 ~		
NXDN RAN 1 ~		
Carrier Access		
DTMF Access DTMF Code		
Digital Digital Type		
□ Other Other Type		
Transmitter		
Transmit Output Power	50 watt	
Effective Radiated Power (ERI) 50 watt	
Repeater Brand and Model	SLR5700]

Fill in all information in the Operation, Access, Transmitter, Antenna and Location sections. The information is NOT FILLED IN IN DECIMAL DEGREES. It's Degrees, Minutes, Seconds. If you need a converter, the FCC website has a good one. <u>https://www.fcc.gov/media/radio/dms-decimal</u>

Location

	Tra	ansmitter	Receiver		
City	Evergreen		Evergreen		
County	Jefferson		Jefferson		
State	Colorado	~	Colorado 🗸		
Latitude	39 [°] 37	' 31 " N	39 ° 37 ' 31 " N		
Longitude	105 ° 15	' 50 " W	105 ° 15 ′ 50 ″ W		
	Sho	w on Map	Show On Map		
Service Area Denver Exact Location Indian Hills					
Site Information					
Site Ground Elevation7777Antenna Height AGL20Antenna Height HAAT		20	feet above Mean Sea Level feet above Site Ground Level feet above Average Terrain		
		Check AHAAT			

HAAT Height above Average Terrain can be calculated and entered into this field. The information from the FCC's website is in meters and the HAAT field here is in feet. The conversion is meters x 3.28 equals feet. Enter this data in the Antenna Height HAAT. $164M \times 3.28 = 537.92$ feet

۵	Anter	nna Height Above Average Terrain Calculations Results - Mozilla Firefox	-		×
Ø		https://transition.fcc.gov/fcc-bin/haat_calculator?dlat=39&mlat=37& 🗐	•••	ତ ଘ	≡
	Antenna Height Above Average Terrain Calculations – Results				
		Input Data			
	La Lo	titude 39° 37' 31" North ingitude 105° 15' 50" West (NAD 83)			
	Th 3	tese coordinates convert to NAD 27 coordinates of 9° 37' 31.04", North, 105° 15' 48.03" West (NAD 27).			
	He	right of antenna radiation center above mean sea level: 2377 meters AM	SL		
	Nu	umber of Evenly Spaced Radials = 72 0° is referenced to True North			
		Results			
		Calculated HAAT = 164 meters Antenna Height Above Average Terrain and ulated			
		using FOC 50 second terrain database (continental OSA only)			

Fill in any repeater directory information or other pertinent information that you wish to publish about this repeater.

Repeater Directory

Publish Repeater Information				
Geographic Area	Denver Metro 🗸			
Published Location				
IRLP Node Number Echolink Node Numb AllStarLink Node Nur	er			
🗌 Wide Area	Open Closed			
Experimental	Bilingual LITZ			
Portable	C Remote Base			
□ ARES	RACES Skywarn			
Emergency Power	Solar Power Wind Power			
Linked	Linked System Name			
Open Auto Patch				
Closed Auto Patch	Sequence			
🗌 Law	Law Dial Code			
U Weather	Weather Dial Code			
Other Codes				
User Comments				

Once done with all of the information, please SUBMIT COORDINATION REQUEST and you will be receive updates on your coordination request from <u>fcadmin@ccarc.net</u> as the process moves along.

Annual updates and On-Air Certifications

When logging into your account, any coordinations that you have access to will show a yellow banner and button at the top indicating that you have outstanding things that need to be handled. You will be required to complete these outstanding tasks before any new coordinations can be entered.

Clicking either of the indicated buttons will take you to the task associated with them.On-

Colorado Council of Amateur Radio Clubs Frequency Coordination Database



Coordination User

On Air Certifications

Choose the appropriate certification option button.

Click the box next to I hereby certify that the above information is accurate and correct.

Click the Yellow Submit Repeater Owner Certification

If you make changes in the General Information below, you must save this information for it to be retained by clicking **Save**.

Coordination User

Logout

730: 146.7300 KB0VJJ Fort Collins

The CCARC Frequency Coordination Policy requires that all new repeater and link coordinations be active and on the air utilizing the coordinated technical parameters within six months of coordination. A one time six-month extension is available. For further information, please refer to the published <u>Frequency</u> <u>Coordination Policy</u>.

Repeater Owner Certification				
The repeater was placed into full time operation and is operating within all technical parameters and terms and conditions as specified by the coordination.				
The repeater is not currently on the air, but will be active and operating within the coordinated parameters within six months. I hereby request a six month extension of the construction period.				
O The repeater is not currently on the air, and will not be placed on the air. Please return this frequency to the available pool.				
L hereby certify that the above information is accurate and correct.				
Submit Repeater Owner Certification				
Save Add Receiver Request Recoordination Research Frequency Predict Coverage Cancel Refresh				

Items in blue are public if publication is selected.

Annual Updates

All annual updates are required to be completed before any coordinations may be filed.

Select Coordination, Annual Update to receive a list of repeaters coordinations that you manage.

Coordination User

CID	Call	Frequency	City	Status
13	KB0VJJ	145.1300	Colorado Springs	Select Current Status
17	KB0VJJ	145.1600	Walden	Select Current Status
32	KB0VJJ	145.3100	Denver	Select Current Status
38	KB0VJJ	145.3550	Grand Junction	Select Current Status
42	KB0VJJ	145.4000	Akron	Select Current Status
46	KB0VJJ	145.4450	Leadville	Select Current Status
94	KB0VJJ	146.8500	Glenwood Springs	Select Current Status
123	KB0VJJ	147.0750	Kremmling	Select Current Status
150	KB0VJJ	147.2850	Salida	Select Current Status
155	KB0VJJ	147.3450	Vail	Select Current Status ~
156	KB0VJJ	147.3450	Durango	Select Current Status
265	W0IG	448.0750	Denver	Select Current Status
461	KC0RBT	447.4500	Fort Collins	Select Current Status
490	KB0VJJ	446.3250	Thorodin	Select Current Status
496	KB0VJJ	440.7000	Thorodin	Select Current Status
503	KB0VJJ	441.3250	Thorodin	Select Current Status
504	KB0VJJ	445.7000	Thorodin	Select Current Status
513	WA4CCC	447.4500	Winter Park	Select Current Status
679	KB0VJJ	147.3900	Breckenridge	Select Current Status
730	KB0VJJ	146.7300	Fort Collins	Select Current Status
733	KB0VJJ	147.2850	Winter Park	Select Current Status
\Box I hereby certify that the above information is accurate and correct.				

Annual report of repeater status

Submit Annual Updates

Select each coordination pull down under Status. Choose the appropriate status, check the check box below next to "I hereby certify that the above information is accurate and correct" then select the yellow Submit Annual Updates button.

Once complete, your list of coordinations will show the current date for update.