



THE SPARK

April, 2024

Home of the Cincinnati Repeater System

Cincinnati, Ohio

Conclusion of article on installation of transceiver in an electric vehicle from the February edition on page 6.



2024 CFMC membership dues are now being collected.

CFMC Meeting at Mobilcomm is Wednesday, April 3rd at 7:30 PM.



CFMC Treasurer's Report

March 9, 2024

Beginning checking	\$5,026.20
Membership dues	\$140.00
Ending checking	\$5,166.20

Richard , KA8HXR

Treasurer



CFMC On The Air Net

March 6, 2024

9:00 PM EDT

Check-ins:

W9OBQ, Don, Net Control	N2HTE, Mike, Secretary
KD8JWN, Bob, President	K8FR, Fred, Membership
WA8FOZ, Bill, Vice-president	W8LTT, Ken, Editor
KA8HXR, Richard, Treasurer	W8OUU, Jim

Membership: Renewals and 1 new member

Treasurer: Only activity dues payments

Comments by check-ins

The ARRL Club membership is in process

No new business reported.

Net closed 9:23 PM

Respectfully submitted,

Michael Head, N2HTE, Secretary

Please submit your dues NOW
For your 2024 CFMC membership renewal!

CINCINNATI FM CLUB

2024 Membership Renewal/Application

Please support the CFMC. Call Fred Ruzick, Membership Chair, with questions. Contact info below

NAME _____ New Member
CALL _____ LICENSE CLASS _____ Membership Renewal
ADDRESS _____ Repeater Code Request
(number and street) (city, state and zip) PHONE NUMBER _____ Amount Enclosed \$ _____
EMAIL _____

OTHER HAMS IN HOUSEHOLD (at same address)

NAME _____ CALL _____ LICENSE CLASS _____

NAME _____ CALL _____ LICENSE CLASS _____

I will follow the "CFMC Repeater Operation Practices" document dated 3/24/2009. It is available on the internet at http://cfmc.us/CFMC_Operating_Guide.pdf or by mail. By signing this form, I agree to abide by these practices and understand that adherence to these practices is a condition of continued membership in the CFMC and use of its repeaters.

SIGNATURE _____

DATE _____

Mail to: **Fred Ruzick, K8FR**
c/o Cincinnati FM Club
3257 Wheatcroft Dr
Cincinnati, OH 45239-6130
(513-741-8873 email k8fr@arrl.net

**2024 Membership dues
are now payable**

RENEWALS: \$20 **Memberships lapse after January 1st. SPARK mailings continue through June**

NEW MEMBERS: \$10 Initiation + \$10 Dues = \$20 Total

(Please make check payable to **Cincinnati FM Club**)



The SPARK is the official newsletter of the Cincinnati FM Club and is published bi-monthly in anticipation of the bi-monthly Club Meeting at its normal meeting place: Mobilcomm, 1211 Sharon Rd, Cincinnati, OH 45240-2998. The Editor is Ken Irwin, W8LTT. Articles, suggestions and digital photos may be submitted to Ken via email at W8LTT@arrl.net, or by USPS at 358 Oliver Rd, Cincinnati, OH 45215-2615.

The deadline for the April edition is Saturday, March 20 for material submitted for publication or copied from other sources. Articles may be edited for clarity and length.

The on-the-air meeting on 146.28/146.88 MHz will be held at 9:00 PM, March 6, 2024.

The regular meeting at Mobilcomm is at 7:30 PM on Wednesday, February 7, 2024.

BE SURE TO MARK YOUR CALENDARS!

Go to <http://cfmc.us> for the latest news and the most recent edition of SPARK!

The Cincinnati FM Club

Club Station Call: WB8CRS

Monthly Meeting: First Wednesday, Even Months, 7:30 PM

Cincinnati FM Club
 1211 Sharon Rd
 Cincinnati, OH 45240-2916

The Cincinnati Repeater System

"88" System All transmitters are simulcast.

Location	GREENHILLS	MT. REPOSE	TAYLOR MILL	ELIZABETHTOWN	GREEN HILLS
Frequency	146.88	146.88	146.88	146.88	443.40
Offset	-0.6	-0.6	-0.6	-0.6	+5.0
Antenna Height	735 ft.	370 ft.	405 ft.	250 ft.	735 ft.
A.M.S.L.	1541 ft.	1243 ft.	1225 ft.	1170 ft.	1501 ft.
H.A.A.T.	825 ft.	558 ft.	496 ft.	177 ft.	725 ft.
Access Tone	PL 123.0 Hz	PL 123.0 Hz	PL 123.0 Hz	PL 123.0 Hz	DMR Color Code 1

EchoLink Node 809821

Our connection to the DMR bridge was lost and we reconfigured our DMR repeater to the Brandmeister server. Some of the talk groups use different TG numbers, so your code plug needs to be edited to get connectivity. The table below gives you the information needed for the change.

CFMC typical DMR user configuration using Brandmeister server.				
BM TG numbers: https://www.pistar.uk/dmr_bm_talkgroups.php				
TS	TG	NAME	CALL	COMMENTS
2	2	CIN-DAY	Group	CFMC, Hamilton, Middletown, Edge- CFMC Repeater only Static ID, on all the time
2	9	LOCAL	Group	
2	3139	OHIO	Group	
1	91	World-Wide	Group	
1	93	N America	Group	
1	3169	Mid West	Group	
1	310	TAC-310	Group	
1	311	TAC-311	Group	
1	9990	Parrot	Private	Repeats your voice



Radio Install in Electric Vehicle (Continued from previous issue)

I had mentioned the accessory power outlet in this model (2022 Tesla Model S) is not 12 volts as normal. Because the accessory battery is lithium it produces 15.4 volts. As it turns out, this radio is a TYT-MD-9600 and is rated at 13.6 volts +15%. So this voltage is no problem.

The radio was mounted in the center console and is completely hidden when lid is closed. When in use the microphone fits nicely in the cupholder. When not in use it can be stowed in the radio compartment. Luckily, the power outlet is located inside the console, so power wiring was simple. A hole drilled in the side of the console accommodated the antenna coax which passed under the rear floor mat so is out of sight. A simple plywood bracket secures the radio.



Teslas all have an all glass roof, so a magnet mount antenna is out of the question. A lip mount didn't seem suitable. The antenna I chose is a two band through glass mount. The two parts attach using adhesive pads. There is a counterpoise attached on the inside. There is a trim capacitor screw on the inside unit. Using my Comet antenna analyzer, I found the UHF band below 1.5:1 SWR. The VHF band, however, was over 5:1. Trimming the capacitor all the way to maximum setting brought the SWR below 1.5:1. The UHF band seemed unaffected by the change.



Seems to work fine and what I used to check in last months net.

EXECUTIVE COMMITTEE — CINCINNATI FM CLUB 2022-2023

President:	Bob Shokler	KD8JWN	513-931-2292	rshokler@cinci.rr.com
Vice President:	Bill Klykylo	WA8FOZ	513-522-0593	klykylo1@cs.com
Secretary:	Mike Head	N2HTE	315-427-9132	MJH@headmgmt.com
Treasurer:	Richard Turner	KA8HXR	513-221-5707	rt_turner@hotmail.com
Director: 2020-2023	Al Gerth	WA8VBP	513-677-3837	algerth@gmail.com
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Director: 2022-2025	Bill Klykylo	WA8FOZ	513-522-0593	klykylo1@cs.com
Station Trustee:	Bob Conrad	W8SCK	513-300-6700	bob@heavenwire.net
Webmaster:	Richard Kuns	KC8TW	513-907-5848	rkuns@one.net
Membership:	Fred Ruzick	K8FR	513-543-4536	K8FR@arrl.net
Editor SPARK:	Ken Irwin	W8LTT	513-608-1898	sailorirwin@gmail.com

CFMC members

WB8NUT	J. Duffy	Beischel
W8SCK	Robert C.	Conrad
W3TFI	Bob	Crownover
KE8BHC	Leanne	DeForest
WB9CPU	David	DeForest
W8YML	John	Dumont
N8DER	Eric	Duval
KC8KKC	Barry E	Franz
WA8VBP	Allen	Gerth
N2HTE	Michael	Head
W8LTT	Kenneth J.	Irwin
KA8YRN	Dennis J.	Jones
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WA8FOZ	William M.	Klykylo MD
KC8TW	Richard	Kuns
W8AUV	John	Maier
K8FR	Fred M.	Ruzick
WW8ZZ	Alan	Schauer
K8OP	Hep	Shockley
KD8JWN	Robert L	Shokler
W9OBQ	Donald R	Thie
KA8HXR	Richard	Turner
N8DHW	David	Williams

CFMC General Meeting Minutes

February 7, 2024

Attendance:

K8FR, Fred Ruzick	W8LTT, Ken Irwin
WA8FOZ, Bill Klykylo	KD8GHO, Clifton Powell
W9OBQ, Don Thie	KA8HXR, Richard Turner
N2HTE, Michael Head	No Call, Easton Powell
KD8GHP, Jeff Powell	KD8JWN, Bob Shokler
KD8JWN, Bob Shokler	

Call to order by KD8JWN, 7:33 PM

Minutes of December 2023 and January 2024 Meetings approved: OBO/HXR

Treasurer's report approved: FOZ/FR

Membership reports: Renewals continue and new member

Publicity report: LTT

Old Business: Banking and Ohio Registration brought up to date

New Business:

Set up nominating committee for new officers

Register with ARRL as a club.

Noted that volunteer preregistration is open for the Flying Pig Marathon.

The club was informed of the condition of the repeater antenna and replacement plans.

Motion to adjourn: HTE/FOZ

Meeting adjourned 7:55 PM

Respectfully submitted,

Michael Head, N2HTE, Secretary