

Phaser Digital Mode Transceiver Kit

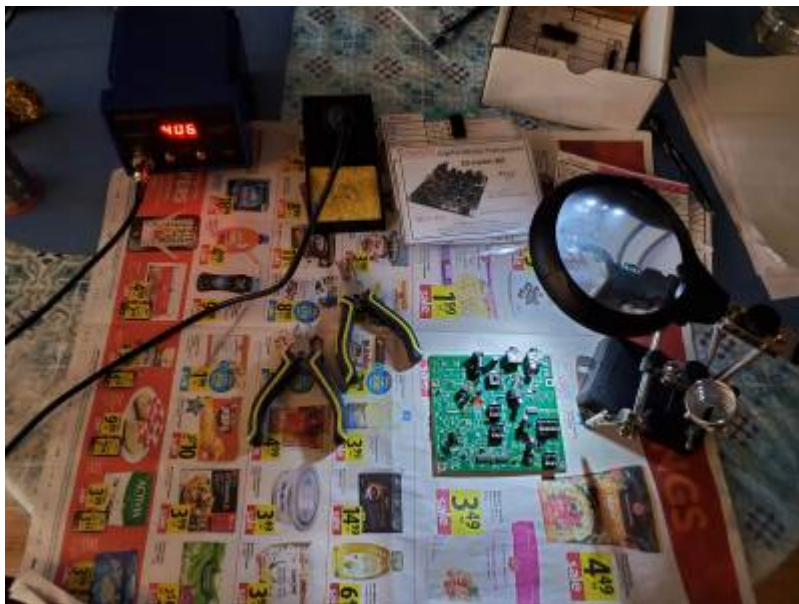
Update November 6th, it looks like they will not be shipping Phaser Kits after their next round 12 order, so if anyone is interested in building one this would apparently be the last chance to order one "Round 12 Orders: Now taking orders for the final final round of 50 kits" , hopefully they will change their minds in the not to distant future as this is a really fun kit to build.

This is a link to the Web Page for the Digital Transceiver Kits I am building (20 M and 40 M) it looks like a really fun project, they have a discussion group too which is quite interesting to follow as it gives a community feel to the whole project, I am hoping to receive the 20 M one soon and will try to take photos and do a little write up on it for our website. <https://midnightdesignsolutions.com/phaser/>

Just a quick update, I received my 20 M and 40 M kits, finished assembling and testing the 20 M kit, worked right away, quite impressive I made contacts immediatly including one to Japan all using just under 4 watts!

Definitely a worthwhile project and quite a bit of fun to build and use, price for the kits is \$60 USD with \$20 shipping so a budget way to run digital modes for around \$100.

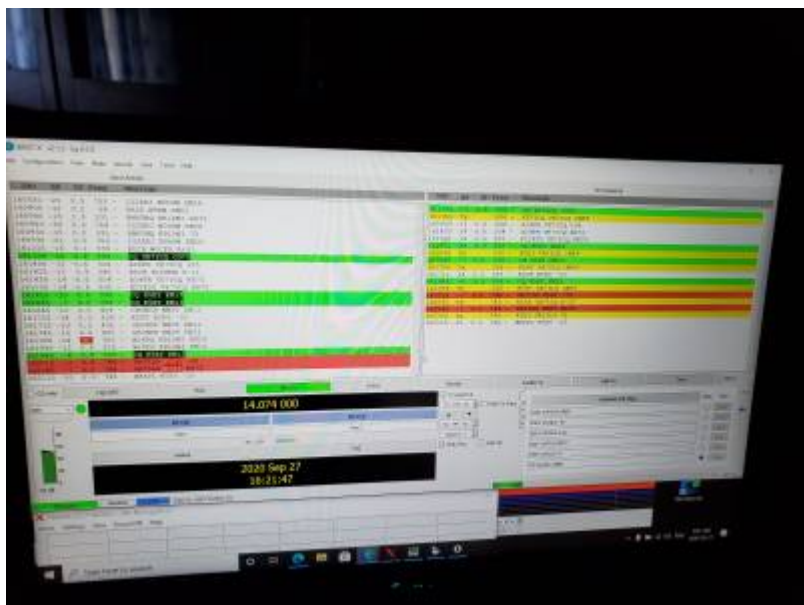
I will add some more content in the coming days.



Starting assembly.



Testing the receive stage of the build.



First contact made.



Finished assembly of board.



Installed in the case which has a clear lid so the board is visible with the lid closed, the power supply is a TalentCell Model YB1208300-USB 100 watt hour which seems to work well with it for portable operation.

1000 Miles/Watt Club				
SN	CALLSIGN	NAME	DIST	Comments
268	W0BM	Cahill, Pat	17m	Australia, 9458.9 miles @ 3 watts - about 3150 miles per Watt
818	KE3AM	Stepanowski, Dave	20m	US75V 4875 Miles with 3 watts
578	N9ATM	Wilk, John	20m	Montenegro, 5.2 watts, 3077 mi
687	AB4DA	McDowell, Brad	20m	WH6S (3394 miles) and DK3W, (5666 mi)
518	K7TDX	Hoppersville, Joe	20m	Worked Italy which was 4882 miles from ny, QTH using 3.3 W
267	VA3AW	Woodhry, Al	20m	Toronto to Alabama at 300mV ... >2000 miles per watt!
387	W0DM	Jones, Bill	20m	WH6S with 3 watts for 4882 mi, and 3382 for 3089 mi and using 775 worked PHCE for 4882 mi.
748	N4BP	Pattas, Bob	20m	W212: 9+00 8-18, 8951 mi, 3117 miles per Watt
778	K8QCN	Deneault, Skip	20m	8/15/2020 - QTH/KW Grid (M88N) Aurlite 4068 miles and 131XA Grid (K75N) Slovenia 4103 miles 4 watts
828	VA7BC	Cookson, Nick	20m	8/3/20 (Tanzanian) also Phaser/L 4882 miles, power out being 3.5 watts so 4882/3.5 = 1,337 miles/watt
666	W0WA	Barton, Jesse	30m	QTH/WCF at 4359mi with 4 watts
667	W0BM	Cahill, Pat	40m	Japan, 6027.8 miles @ 3 watts - about 2000 miles per watt
836a	N3AAZ	Kirby, John	30m	NT6 <- FM118 = 4429 miles/watt
555	K0BYTV	Turner, Delight	40m	I have already talked 8,000 miles (confirmed) with the 4 Watt 40 Meter Phaser: 2000 miles/watt
938	K8WTV	Lee Ted, Andy	40m	50k with GRCC: Phaser 8584, 6632 miles to England on 4 watts, 60 m band

It appears mine is making some history, Phaser from Canada to Phaser in Japan!

<https://midnightdesignsolutions.com/phaser/Registry.html>

73

Nick VA7ILO