powered by TapHere!® Radio

radio.taphere.com

SABR
CrossConnect

Real-time data & voice across waveforms

CAPABILITIES

All-in-one Communications Bridge Solution

Console dispatch & monitoring functions

Cross-Messaging for P25, DSTAR, MotoTRBO, DMR

Displays physical RF, digital channel, and talkgroup activity

Expandable for other waveforms & protocols

Inter-channel audio & data monitoring

Internal speaker, 1/4in TRS microphone jack

Leverages SABR frequency range, portability, modulations, API, and extensibility

Microphone PTT to any channel, operator can communicate with any channel

Remote VoIP operable

Ruggedized portable case

Talkgroup-to-Callsign supported on: DSTAR, YSF

Talkgroups supported on: P25, DMR

Touchscreen display

Transmission logging and audio recording facilities

USB 3.0 (data transfer, acq), USB 2.0 (keys, mouse, PTT)

Waveform extensible on all channels

TECH SPECS

API	C++, C#, Python/ZMQ, JSON, (extensible)
Base Power Output (customizable)	5w per TX output
Base System RF I/O	4 inputs (RX), 4 outputs (TX)
Base Unit Simultaneous Channels in Operation	25 paths across 4 bands (extensible)
Base Unit Simultaneous Channels at Idle	100 paths across 4 bands (extensible)
Channel Bandwidths (kHz)	0.5, 1.6, 2.4, 3.6, 6.25, 12.5, 25, 33, 50, 100
Channelization Per Physical I/O	50 @ 25kHz, 150 @ 12.5kHz, 200 @ 6.25kHz
CODECs (voice)	IMBE, AMBE, AMBE+, CELP, LPC, PCM, uLaw, aLaw, G.711
Data interfaces	USB 3.x Type A, USB 3.x Type C, Gigabit Ethernet RJ45
Frequency Range	Input & Output channel from 40 MHz – 6 GHz, 4 bands to Any TX
I/O Data Channel Data Modulations	(O/D)PSK, FSK, MSK, OOK, QAM, CPM, C4FM
I/O Voice Channel Waveform	P25, DSTAR, MotoTRBO, DMR, YSF, NFM, FM, AM
RF Connectivity	N, SMA, SO239, BNC, TNC
RX Band-Span Per RX Input	60 MHz segment (scannable)
Power Consumption	88w maximum during multi-channel TX; 16w during RX
Power Requirements	120v AC, planned 12v DC, 24v DC, PoE and internal lithium ion
Size	20in x 16in x 7.5in (transit case)
Weight	8lb (3.6 kg)

TapHere!®Radio. Designed, Built, and Supported in the USA.

For more information, contact us at radio@taphere.com or visit radio.taphere.com