

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