

MOBILE COMPONENT (MC)

Multiple MOBILE COMPONENTS can receive the same IEM/IFB signal

RF CARRIER (RFC)

Optimized for:
Smallest System Configuration

DIGITAL ANTENNA DIRECTIONAL (DAD)

1, 2, 3 or 4 DADs per Base Station
1x DAD (UHF) on RF CARRIER #1

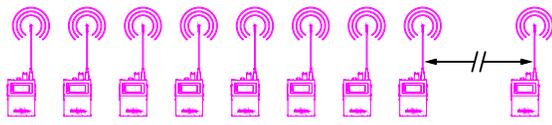


Technical Application Engineering (TAE) System Drawings	
<i>Drawing name</i> SPECTERA Systems: N° 1	<i>Rev.</i> 1.0
<i>Description</i> 1x RFC, 1x DAD (UHF) for RFC #1	

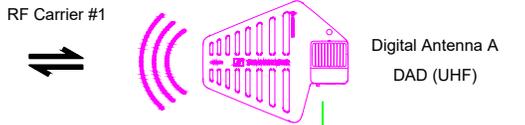
Mobile Components
<ul style="list-style-type: none"> ● SEK (UHF): 470 - 698 MHz ● SEK (1G4): 1.350 - 1.525 GHz <p>MICs and IEMs at the same time on any SEKs Audio Input: 3-pin audio socket, Mic & Instr. Audio Output: 3.5 mm stereo jack RF Power Output: Up to 50 mW Power supply: Single BA 70 battery pack Operating time: depending on selected Audio Link Mode</p>

Antenna, RF Carrier & Cables
<ul style="list-style-type: none"> ● DAD (UHF): 470 - 698 MHz ● DAD (1G4): 1.350 - 1.525 GHz <p>Both models can coexist on a Base Station Modes: - Single RF Carrier, 6 or 8 MHz - Frequency Scan, Full Band Pairing Capacity: 128 Mobile Components per RF Carrier RF Power Output : Up to 100 mW Network: Proprietary, Layer 1, Home runs Power Input: POE (from Base Station) Connector: RJ45, etherCON compatible Cable: CAT 5e UTP / STP or better Optical: with layer 1 media converters</p>

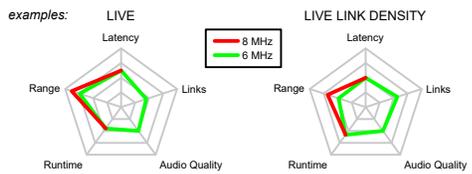
Base Station & Audio Interfaces
<ul style="list-style-type: none"> ● INPUT Capacity (IEM/IFB) Up to 32 Audio Links (16 stereo) can be assigned ● OUTPUT Capacity (MIC or Instrument) Up to 32 Audio Links can be assigned ● SAMPLE RATE 48 or 96 kHz with SRC for each interface Dante®, Primary & Secondary or Shared Optional slots: 2 for MADI, BNC and Optical Digital Antenna Ports: 4 on Base Station RF Carrier: Up to 2 per Base Station



Up to 128 Mobile Components can be paired on RF Carrier #1



Digital Antenna A
DAD (UHF)

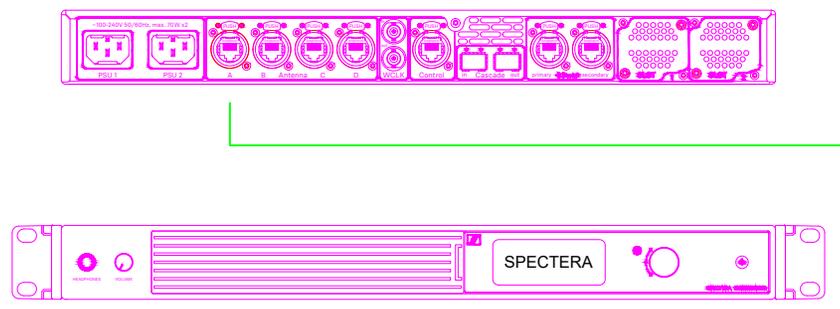


- Audio Link Modes:
- Up to 11 different modes for MICs and IEMs currently
 - Independent for each Link
 - Impacting the RF Channel Capacity

- Clocking options:
- Individually selectable for each audio interface
 - The Dante® Audio Network is set with Dante® Controller software

	MADI 1 Output	MADI 2 Output	Word clock BNC Output
Leader 48 kHz	✓	✓	✓
Leader 96 kHz	✓	✓	✓
Follow MADI 1 Input	✓	✓	✓
Follow MADI 2 Input	✓	✓	✓
Follow Word clock BNC Input	✓	✓	✓
Follow Audio Network (Dante®)	✓	✓	✓

SPECTERA BASE STATION



→ Please contact your local Sennheiser representative for SPECTERA availability in your market