Sportsound System Commissioning w/ Monitor Panels Work Instructions

Task (Major Step)	Process / Key Points / Reason Why (if applicable)	Tools Required / Reference Materials	Products Involved: Sportsound 500HD,	1500)HD, 2000H	
1. Connect computer to network	Connect to network via network switch. This switch is located in the fiber conversion box or in the control enclosure. You can also plug into each amplifier separately if accessible.	 <u>Video: Sportsound Troubleshooting</u> <u>With Cobranet Discovery</u> Laptop w/ CobraNet Discovery software Ethernet cable 				
2. Open CobraNet Discovery	 *Cobranet Discovery must be installed on laptop* If not, follow instructions in Section 2 of the Amplifier Field Guide to install and configure software. Set IP Address to 192.168.1.160 with subnet mask 255.255.0.0 Note: Disable wireless adapters and VPN software. 	Sportsound Amplifier Field Guide (DD3318172)				
3. Verify ALL Amplifiers Are Online With Latest Firmware and Confirm IP Addresses are Correct	Verify all amplifiers are showing up in CobraNet Discovery and have the latest firmware (REV B). To update firmware, follow Section 4 of the Amplifier Field Guide.		1. Connect to Network		etwork	
	To use Monitor Panels, IP addresses for amplifiers need to be statically set. Devices shipped after January 2014 should be set prior to shipping; earlier systems will need their IP		Devices in Di Standard	es in Discovery for Idard Products		
	Field Guide for this one-time procedure if IP addresses on devices do not match the Static IP addresses per system	addresses on es per system	Product An	nps	Media Converter	
	type chan al light.		500HD-SL/SR		1	
4. Open Monitor Panel for the Sound	*Sportsound Monitor Panel must be installed on laptop*		500HD-DUal	2	1	
System and lest Amplifier/Driver Outp	If not, go to dakilies.dakironics.com to download.		2000HD 1	•	1	
	Open the Monitor Panel for the system and click Start Monitoring .	<u>Monitor Application Operational</u> Video		0		
	Play a full-frequency audio file through the system. Verify each amplifier/driver combo is outputting audio by first placing all Amplifier Channels in Standby, then one at a time, unmute them. If you hear audio playing for the channel that is unmuted, the amplifier is outputting audio.	Dakfiles Monitor Panels Software Download Link	3. # Devices	on	Networ	
5. Verify Impedance Values of Drivers ar Within Range	e Audio levels get loud during this test. Proceed with caution. Play a test tone to each amplifier by clicking Test Tone.		CobraNet Edit View Tools Help 5 IP Address MAC Address error © 192.168.1.1 00602b037266 0 © 192.168.4.11 00602b0501b0 0 © 192.168.4.12 00602b050193 0	ount	sysDescription Whirlwind Cl2L CobraNet Daktronics 20a SS2000 AM Daktronics 20a SS2000 AM	
	The Test Tone is played for 4 seconds and then it automatically shuts off. Repeat as necessary. Impedance values fluctuate at first and will stabilize at the end of the tone. Pay close attention and use the last value shown. Check both values on dual channel amps.		192.168.4.13 00602b0501ar 0 192.168.4.14 00602b0501aa 0 192.168.4.15 00602b0501e4 0 192.168.4.16 00602b0501b2 0 192.168.4.18 00602b0501b2 0 192.168.4.19 00602b0501b2 0 192.168.4.19 00602b0501b2 0 192.168.4.20 00602b0501ba 0		Daktronics 20a SS2000 AM Daktronics 20a SS2000 AM	
	Take a screenshot of all amplifiers in Test Tone mode at once to submit in deliverables.	<u>Monitor Application Operational</u> <u>Video</u>	2 & 3. Cobra	Net	Discov	
	Reference the range shown at the top of each channel for correct values. Double Impedance Value = Blown Driver or Bad Connection Signal Low = No Sound = Blown Amp Channel, All Drivers Blown on Channel, or Bad Harness Connection Short = Short in Connection					





2. Change IP Address

	Static IP Addresses per System Type			2000HD			
				AMP 1 SP2H	192.168.1.11		
	500HD			AMP 2 SP2L	192.168.1.12		
<u>'</u>	AMP 1 SP3	192.168.1.11	Ī	AMP 3 SP2L	192.168.1.13		
	AMP 2 SP2H	192.168.1.12	Ī	AMP 4 SP2L	192.168.1.14		
	1500HD		Ī	AMP 5 SP2L	192.168.1.15		
	AMP 1 SP1	192.168.1.11		AMP 6 SP2L	192.168.1.16		
	AMP 2 SP2L	192.168.1.12		AMP 7 SP2L	192.168.1.17		
ŀ	AMP 3 SP2L	192.168.1.13		AMP 8 SP1	192.168.1.18		
N	AMP 4 SP1	192.168.1.14		AMP 9 SP2L	192.168.1.19		
				AMP 10 SP1	192.168.1.20		

	sysName	sysContact	sysLocation	Rx1	Tx1
version 2.11.6 CS181002	CS18100			0/0/0	1/5/0
MP1 HF Rev B CobraNet version 2.11.6 CS496112	SP2H	DSP File ER-1662173	AMP1 HF HF	1/1/0	0/0/0
MP2 MF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-1662172	AMP2 MF	1/1/0	0/0/0
MP3 MF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-2159835	AMP3 MF	1/1/0	0/0/0
MP4 MF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-2159841	AMP4 MF	1/1/0	0/0/0
MP5 MF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-2159844	AMP5 MF	1/1/0	0/0/0
MP6 MF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-2159847	AMP6 MF	1/1/0	0/0/0
MP8 LF Rev B CobraNet version 2.11.6 CS496112	SP1	DSP File ER-1991419	AMP8 LF	1/1/0	0/0/0
MP9 LF Rev B CobraNet version 2.11.6 CS496112	SP2L	DSP File ER-2159852	AMP9 LF	1/1/0	0/0/0
MP10 LF Rev B CobraNet version 2.11.6 CS496112	SP1	DSP File ER-2159854	AMP10 LF	1/1/0	0/0/0

Discovery



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6. If Problems Found	If impedances do not match the reference values shown, refer to the Amplifier Troubleshooting section in the Sportsound Amplifier Field Guide or the Driver Troubleshooting section in the system Installation Manual.	 <u>500HD Installation Manual</u> <u>1500HD Installation Manual</u> <u>2000HD Installation Manual</u>
SO/Contract #:	Technician Name:	Date:



4 & 5. 500HD Monitor



4 & 5. 1500HD Monitor



4 & 5. 2000HD Monitor

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