iAM-MADI

• iAM-MADI -8 • iAM-MADI -16

1RU, 8/16 of 64-Channel, MADI Audio Monitor

User Guide

(Software Release: V1.4)

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Wohler Technologies, Inc. 31055 Huntwood Avenue Hayward, CA 94544 www.wohler.com Phone: 510-870-0810 FAX: 510-870-0811 US Toll Free: 1-888-596-4537 (1-888-5-WOHLER) Web: www.wohler.com Sales: sales@wohler.com Support: support@wohler.com

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Introduction

Overview

The iAM-MADI units are 1RU multichannel MADI audio monitors with BNC input and output coax and optional optical fiber connections. Optical fiber connections require an optional SFP hardware module and software license. Refer to Specifications section for or contact Wohler sales for more information.

The iAM-MADI has individual channel volume controls and mute switches. Any channel in the MADI stream may be audibly monitored and mixed with the other selected channels. The IAM-MADI is small, low-cost, and simple to operate. Its setup configuration can easily be copied to other IAM-MADI units.

Setups are created with a web browser over a network connection. Each iAM-MADI can be configured with a number of presets. Nothing about the configurations of those predefined setups can be changed from the front panel. This prevents less experienced or hurried operators from making accidental setup changes that could compromise their usage of the unit. It also reduces operator training to a minimum.

Safety

Instructions

- 1. Read, keep, and follow all of these instructions; heed all warnings.
- 2. Do not use this equipment near water.
- 3. Use only a dry cloth to clean the equipment.
- 4. Do not block any ventilation openings.
- 5. Do not install near any heat source such as a radiator, heat register, amplifier, or stove.
- 6. Do not attempt to plug the unit into a two-blade outlet (with only two prongs of equal width).

Important:

<u>/</u>

By design, this monitor will only plug into a three-prong outlet for your safety. If the plug does not fit into the outlet, contact an electrician to replace the obsolete outlet.

- 7. Protect the power cord from being walked on or pinched, particularly at plug's source on the equipment and at the socket.
- 8. Use only the attachments/accessories specified by the manufacturer.

- 9. Unplug the equipment during lightning storms or when unused for long periods of time.
- 10. Refer all servicing to qualified service personnel. Servicing will be required under all of the following conditions:
 - a. The equipment has been damaged in any way, such as when the powersupply cord or plug is damaged.
 - b. Liquid had been spilled or objects have fallen onto the equipment.
 - c. The equipment has been exposed to rain or moisture.
 - d. The equipment does not operate normally.
 - e. The equipment has been dropped.

Safety Symbols

WARNING:



The symbol to the left warns of electric shock hazard inside or outside the unit. Disconnect the power cord before removing access panels when installing upgrades. Only qualified service personnel are to operate the equipment with covers removed, and are to exercise caution to avoid personal injury.

Mounting

The unit is designed for a standard 19" rack. Install it at ear/eye level for best high frequency response and visual observation of the display screens. Please adhere to the following clearances:

Clearance	Surface
24″	Front
3"	Rear
2″	Sides
1.75″	Top and Bottom (if either radiates heat)
0‴	Top and Bottom (if no heat)

Heat Dissipation

The ambient temperature inside the mounting enclosure should not exceed 40° Celsius (104° Fahrenheit). Adjacent devices can be rack mounted (or stacked) in proximity to the unit if this temperature is not exceeded. Otherwise, allow a 1RU (1.75″/44.45mm) space above and below the unit for air circulation.

Important:

To reduce noise, the monitor does not have any fans. As a result, the heat generated by the class D power amplifiers, power supplies, and other components is vented by slots in the sides and back of the unit. Therefore, as a safety precaution, you must allow proper ventilation on these surfaces.

Sympathetic Vibration

Sympathetic vibration from other equipment (cables, etc.,) in the rack may be serious enough to interfere with the unit's sound quality. If you experience sympathetic vibrations, use thin card stock, felt, foam, or weather-stripping between the vibrating surfaces. Tie loose cables securely with cable ties.

Mechanical Bracing

The 1RU chassis is securely attached to the front panel. In addition, the chassis has mounting tabs through which you attach it to the rack rail. This feature will reduce or eliminate rear bracing requirements in many mobile/portable applications. The weight of internal components is distributed fairly evenly around the unit.

Electrical Interference

Be careful to avoid mismatched cable types and other similar causes of undesired reflections in digital signal systems. If severe enough, such reflections can result in corruption of the digital data stream. As with any audio equipment, maximum immunity from electrical interference requires the use of shielded cable; however, satisfactory results can sometimes be obtained without it. The internal circuitry ground is connected to the chassis.

Power

The unit comes with a standard internal power supply and connects an A/C mains power source (60W, 100 to 240 VAC, $\pm 10\%$, 50/60Hz) through the IEC connector provided on the rear panel of the unit.

When the mains plug or appliance coupler is used as the disconnect device, the disconnect device should remain operable.

Compliance

FCC

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

ICES-003

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Front Panel



Figure 2–1: Front Panel Layout

Important: The number above the channel control strips does not indicate any particular source channel number or arrangement. Strip numbers only serve as references for channel configurations at the Web GUI level. Different presets typically have different channel numbers assigned to control strips.

We use audio mixer terminology of "strips" when referring to generic control functions or individual items within a control (strip) group. When we say "channel" we are generally referring to a particular source channel or an individual channel within an audio group—either here at the front panel or externally as part of the audio system being monitored.

The control strip display label default is to display the MADI channel number, but may be changed in the Web GUI to be any displayable text or numbers from the <u>Channel Naming</u> page.

- **Speakers:** Audio monitoring is achieved through the use of class D amplifiers driving two (left/right) wide range speakers.
- **Headphone Jack:** A 1/4" jack for an optional headphone is provided on the front panel. Speaker audio mutes when headphones are plugged in.
- **Channel Volume/Mute:** Rotating the volume knob adjusts the individual level of each corresponding channel. Pressing the knob mutes or unmutes channel.
- **Preset / Config Switch:** Pressing this switch activates a menu for preset selection and configuration status information.
- **USB Port:** This USB 2.0 Type A connector allows you to use a flash drive (not supplied) to perform software updates and copy system configurations to another IAM-MADI or to a PC.

MADI Analog Audio Outputs MADI Coax- BNC Fiber- SFP (Left & Right) AES N Wahler DOIN BC o o' -DOLBY METADATA Œ SERIAL N (o)) (\circ) DC Network (other connectors installed are not used on this model) Power Port

Figure 2-2: Rear Panel Layout

• **DC Power:** The IAM-MADI uses an external AC to 18V DC power adapter. The adapter's AC inlet is a standard IEC receptacle for 100 to 240 VAC ±10%, 50/60 Hz power connection. Four regional AC power cords, supplied per shipping region, are available.

Important:



By design, the supplied AC mains power cord will only plug into a three-prong grounded outlet for your safety. If the plug does not fit into the outlet, contact an electrician to replace the obsolete outlet.

- Important: The monitor and power adapter have been tested as a combined apparatus to verify compliance with applicable safety and electromagnetic compliance standards. Use of another power adapter provided by the user may negate the compliance or not perform properly. Wohler Technologies cannot accept any responsibility for the outcome in such cases.
 - **MADI Inputs:** (1 Coax, 1 Optical) These two connectors accept 64-channel MADI input signals.
 - . **MADI Outputs:** (1 Coax, 1 Optical) These two connectors output 64-channel MADI output signals, reclocked from the selected MADI source. This allows conversion from coax to fiber or from fiber to coax cable types.
 - **Network Port:** The Ethernet network port can connect to either a LAN or to a PC to let you customize the IAM-MADI configuration. It will also allow you to copy system configurations from one IAM-MADI to another. Lastly, it is used to manage IAM-MADI software and firmware updates.
 - **Analog Outputs:** These male XLR connectors provide two balanced analog outputs: Left and Right. The source of these signals is the mix of audio as monitored by the internal speakers.

Channel Displays

Display information for each channel strip is shown in Figure 1-3 below. The OLED display intensity will dim after one hour of inactivity to prolong display life. Pressing any knob's switch will restore normal brightness levels without affecting the monitor mix.



- **Mix Indicators:** These icons identify how the channel is set to mix audio to the speakers, headphones and line outputs.
 - ◀ A left-pointing triangle indicates audio mixed to the left.
 - ► A right-pointing triangle indicates audio mixed to the right.
 - A channel can be mixed to both left and right outputs. This is also known as a dual-mono mix in normally stereo applications, or phantom center mix in surround sound terms .
- **Strip Labels**: Two lines of text can be used to identify the audio source by name, channel number, or other information. Fewer characters will fit on the lower line between the icons, so it may only display four characters of full width.
 - The default labels are as shown in the first example above, but any text or number characters can be entered.
 - Six capital letters will typically fit on each line. Since text character widths vary, the exact number of characters displayed can vary, and the right edge may get cut off.
 - Lower case text characters are shown as smaller capital letters (SMALL CAPS) to allow more characters to be displayed.
- **Mute**: When a channel is muted, the entire display is inverted for reverse video, with labels and icons becoming black.

Preset / Config Menu

Operators can select another preset or check machine status by pressing the red PRESET / CONFIG button on the front panel. It is recessed to prevent accidental activation. If accidentally pressed, pressing "EXIT MENU" or any button below a blank display will exit the menu and return to normal monitor operation unchanged.



Figure 2-4 Preset / Config Menu

Preset Selection

Pressing control strip (knob) button #1, directly below "**SET PRESET**" displayed will display all the available presets by name. The current preset will be highlighted in reverse video, press it to exit the menu with no changes. Press any other button to select that preset and exit the menu.

View Current Version

Pressing "VERSION AND SN" (#2) shows the software rev and serial number.

View Current IP Address

Pressing "SHOW IP ADDR" (#3) displays the IP Address currently set.

Reset IP Address

Pressing "**RESET IP ADDR**" (#4) changes the unit's network address to factory default (172.27.2.2). A confirmation message will ask if you are sure. Answer "**NO**" if not sure.

Transfer Presets via USB

Pressing "GET **USB C**ONFIGS" (#5) begins the process of loading preset configurations from the front panel USB port.

CHAPTER 3: Specifications

Specification	Values/Domains
Power requirements	100 V to 240 V AC ± 10%, 50/60Hz
Power consumption	30 Watts
Dimensions; inches	1.75″ x 19″ x 6″
H x W x D (mm)	(44mm x 483mm x 52mm)
Weight	5.5 lbs. (2.5 kg)
Space Required	1 RU in a standard 19" rack
Supplied Accessories	Power Adapter, AC Power Cord
Display Type	Passive Matrix OLED
Number of Displays	8 / 16 (special order)
Screen Size	2.4" diagonal per screen
Screen Resolution	64 x 32
Sample Rate	48kHz
De-Multiplexing	8 or 16 channels from a 64-channel AES10 MADI stream
MADI Inputs / Outputs	 1 MADI BNC, Standard I/O Optional – SFP Transceiver: Multi-Mode Fiber: 1 MADI Optical SC-Connector, 1300nm or Single-Mode Fiber: 1 MADI Optical SC Connector, 1310nm
	COAX (such as Belden 1694A): 300 m
Cable/Fiber Length (max)	Multi-mode fiber: 2 km
	Single-mode fiber: 10 km
Analog Output Frequency	40 Hz to 20 kHz (± 1dB)
Analog Output Distortion	<0.01%THD+N
Analog Output Dynamic	> 100 dB
Analog Output Ref. Level	$-20 \text{ dBFS} = +4 \pm 1.0 \text{ dBu}$
Peak Acoustic Output	90dBA SPL (@ 2 feet)
Speaker Power Rating	4 Watts RMS, 8 Watts peak (each side)
Acoustic Freq. Response	150 Hz to 16 kHz (± 5 dB)

Table 3–1: Specifications





CHAPTER 4: Using the iAM-MADI Web GUI

The IAM-MADI Web GUI allows you to customize the monitor's configuration to perfectly suit your needs. The default presets configure all 64 MADI channels in consecutive fashion. The following setup steps are not necessary to use the iAM-MADI in the default configuration.

Web Browser / Control Device

Any web browser application running on any networked device such as desktop or laptop computer, tablet or smart phone can be used with the iAM-MADI Web GUI.

Tablets would need to be linked to a copper LAN through a Wi-Fi adapter if the tablet has no network connector.

Phones are not recommended due to their smaller screen size that will require more scrolling.

The Chrome[®] web browser is recommended for speed and compatibility.

First Time- IP Assignments

The iAM-MADI operates with a static (fixed) IPv4 address. The address will be **172.27.2.2** when received from the factory or when reset at the front panel. The iAM-MADI address will need to be changed to some other address to be compatible with the customer's network address assignments. Go to iAM-MADI <u>Network</u> <u>Setup</u>, immediately after this host setup is done, to change the unit's address.

The surest way to do this, free of possible network conflicts, is to establish a direct peer-to-peer connection between the setup computer and the iAM-MADI. A 10/100/1000 MHz Ethernet switch may be used in between, but is not required.

Figure 4-1 below shows an example of suitable address settings for the host computer in a Windows 7 control panel.

'ou can get IP settings assigned	automatically if your network
supports this capability. Otherwis administrator for the appropriate	e, you need to ask your network IP settings.
C Obtain an IP address autor	natically
— Output to the following IP address	s
IP address:	172 . 27 . 2 . 9
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	172 . 27 . 2 . 1
C Obtain DNS server address	automatically
—	er addresses
Preferred DNS server:	· · · ·
Alternate DNS server:	1 1 1 1 1 1
Validate settings upon exit	Advanced
	OK Cance

Figure 4–1 Host IP Settings

Close the control panel and reboot the host computer after making an IP address change like this to be sure the change takes effect. Either reconnect to the installed network or continue with this direct connection to access the iAM-MADI Web GUI.

Make the corresponding address, mask and gateway changes in the iAM-MADI **<u>Network Setup</u>** page.

Dashboard

Throughout the Web GUI, other pages are one click away on the left side. System Overview on this Dashboard page shows all preset configurations at a glance.

W Wohler IAM-MADI : Da: ×				(A) = X
← → C 🗋 10.10.1.91				ික් ස
Wohler [.]				📤 Administrator Account 👻 🌷
Dashboard				
III Channel Naming	Dashboard System C	Dverview		
📽 Configuration Setup	Dashboard : Configurations / Presets			
🖋 System Setup	1	2	ર	Δ
A Network Setup ▼	01 02 03 04 05 06 07 08	09 10 11 12 13 14 15 16	17 18 19 20 21 22 23 24	
Solution opuale	Preset Name 1 View Details	Preset Name 2 View Details	Preset Name 3 View Details	Preset Name 4 View Details
	33 34 35 36 37 38 39 40	6 41 42 43 44 45 46 47 48	49 50 51 52 53 54 55 56	8 57 58 59 60 61 62 63 64
	Preset Name 5 View Details	Preset Name 6 View Details	Preset Name 7 View Details	Preset Name 8 View Details

The currently selected preset for local operation is shown full color. Other loaded, but not selected presets have gray backgrounds.

The colored boxes around channel numbers indicate green for active, or red for muted states.

The preset name can be changed on this screen. Click where it says 'Preset Name n' in this example to open a text entry box where the name can be changed.

Clicking "View Details' or any inactive part of the preset box will open the Configuration page for editing that preset.

The lower part of the page shows front and rear panels for setup reference, plus alerts, status and license information.



Sign In

Only authorized users should be allowed to make preset and network changes. Anybody can view status of iAM-MADI units on the network, but logging in with a password is required to make any changes. When logging in is required to make a change, the following page will appear.

Wuhler 🛛	۵	Administrator Account 👻
n Dashboard		
Channel Naming	Sign In	
## Configuration Setup	de Ossindoard / ≠ Sign in	
F System Setup	✔ Sign in	
A Network Setup 👻	Email Address	
& System Update	Password	
🛢 Database Management 👻	Log In Log In	

The factory default Email Address (user name) and Password will appear the first time this page is accessed, and will continue to appear until they are changed.

The setup user will remain logged in until the browser window is closed or the session is disconnected physically or virtually.

Channel Naming

Each channel can be preassigned a name in the configuration database. These names will be automatically assigned to the channel-strip label fields in a preset when selected.

Chan	nel Naming							
🏦 Dashboa	ard / 🎟 Channel Naming							
🖩 Chann	el Naming							
Channel	Naming							
Save								
01	dfghf	ghfdg	ghf 04	ret4df	fghf564%	sdfg//	MADI	MADI
	//	/ghjghjg	gh/loc/	4	5	6	7	8
09	MADI	MADI	MADI 12	MADI 13	MADI	MADI 15	MADI	MADI
	9	10	11	12	13	14	15	16
17	GHGH 18	MADI 19	MADI 20	MADI 21	MADI 22	MADI 23	MADI 24	MADI
	FGDFGDDF	Y Tgtgthg				22	23	24
25	MADI 26	MADI 27	MADI 28	MADI 29	MADI 30	MADI 31	MADI 32	MADI
	(hgihji)	<ufgtki></ufgtki>	[jhy798]	(87jkkj)	29	30	31	32
33	MADI 34	MADI 35	MADI 36	MADI 37	MADI 38	MADI 39	MADI 40	MADI
_	33	34	35	36	37	38	39	40
41	MADI 42	MADI 43	MADI	MADI	MADI	MADI	MADI	MADI
	41	42	43	44	45	46	47	48
49	MADI	MADI	MADI	MADI	MADI	MADI	MADI	MADI
	49	50	51	52	53	54	55	56
_	MADI	MADI	MADI	MADI	MADI	MADI	MADI	MADI
57	57	58	59	60	61	62	63	64
Save								

Names (Labels) can be changed in the Configuration page for a specific preset without affecting the names assigned here.

Configuration Setup

Factory default presets simply have Channels 1-8 in Preset 1, 9-16 in Preset 2, etc. Default mixes are left for odd-numbered channels and right for even-numbered channels. If that simple arrangement works for your application, there is no need to change any of your presets, since all channels can be monitored by selecting the preset for the 8-channel bank desired.

The Configuration page is where the setup can be made in virtually any arrangement. Clicking through from the Dashboard screen will present that preset for configuration. Select other presets for editing by clicking on the **Recall Configuration** box.



Config	uration							
Dashboard	/ of Configuration							
of Configur	ation 5							
en contrat								
Configurat	on : Preset Name	95			_			
B S	ve Configuration	Display Configuration	Apply Configuration	+ New Configuration	Recall Configuration : Pr	eset Name 5 🔹		
MADI Inp	ut Selection BNC	Optical						
MADI Inp	ut Selection BNC	Optical 02	00	04	05	06	07	08
MADI Ing	01 MADI	Optical 02 • MADI	03 MADI *	04 MADI ¥	05 MADI •	OG MADI V	07 MADI *	08 MADI •
MADI Inp Input Type	01 BNC MADI	Optical 02 • MADI •	03 MADI • OFF	04 MADI • OFF	o5 MADI • OFF	OG MADI • OFF	07 MADI •	08 MADI •
MADI Ing Input Type Input Type Label 1	01 BNC MADI MADI	Optical	03 MADI • MADI •	04 MADI • MADI	OS MADI • MADI • MADI	OS MADI • MADI • MADI	07 MADI • MADI	08 MADI • GPF MADI
MADI Ing Input Type Input Type Label 1 Label 2	Ut Selection BNC 01 MADI MADI 33	Optical	03 MADI • MADI MADI 35	O4 MADI • MADI MADI 36	05 MADI • MADI MADI 97	OG MADI • MADI MADI 38	07 MADI • MADI MADI 39	08 MADI • MADI MADI 40
MADI Inp Input Type (1) (1) Label 1 Label 2 Display	Ut Belection BNC 01 MADI MADI MADI 33 Label 1.6.2	Optical 62 MADI MADI MADI 34 Label 16.2	63 MADI • MADI 35 Label 1 6.2 •	04 MADI • MADI Ja6 Label 1.6.2 •	05 MADI • MADI 37 Labert 6.2 •	06 MADI • MADI MADI 38 Label 1.6.2 •	07 MADI • MADI MADI S9 Label 1.4.2 •	OB MACH • MACH MACH AD Label1 6.2 •
MADI Ing Input Type ()) () Label 1 Label 2 Display Channel #	DI DIC CIP MADI CIP MADI 33 Label 1.6.2 32	Optical 62 • MADI 04ADI 34 • Label 1 6.2 • 34	03 MADI • MADI 35 Latel 1.6.2 • 25 •	04 MACI • MACI 06 Later 1.6.2 • 36	05 MACI • MACI 37 Label162 • 22 •	06 MADI • MADI 30 Latel 1.6.2 • 20 •	07 MADI • MADI 00PP MADI 00PP Label 1.4.2 • 29 •	00 MAD1 • MAD1 40 Label 1.6.2 • 40 •
MADI Ing Input Type Input Type Label 1 Label 2 Oisplay Channel # Mix Type	Of OF	Optical 02 MADI MADI	03 MADI • MADI 35 • Likei 1 6.2 • 25 • 1 25 •	D4 MACI • MACI D6 Later 1.6.2 • 36 • Mons •	05 MACI MACI 37 Label 1 & 2 37 57 57	od MADI OPP MADI 30 Lakel 1.6.2 28 28 Mann	07 MADI • MADI MADI 39 Latert 1.6.2 • 29 • Mann •	08 MACH • MACH 40 Labert 1.6.2 • 40 • 40 •

The **MADI Input Selection** box switches between BNC coax and Optical fiber input jacks. The optical input must be enabled by a software license for it to appear as a choice. An SFP module must be installed for it to work. The iAM-MADI loops the incoming stream to both coax and fiber outputs (if installed).

Input Type allows other sources to be selected on other models sharing similar hardware and software. Only the **MADI** input is available on the iAM-MADI model.

The Speaker **ON** / **OFF** switch allows channels to be set as active or muted when the preset is loaded by the operator. After that, mute/unmute is controlled by the front panel operator.

Display- (control of each channel strip's scribble strips' contents)

- Label 1 or Label 2 selects which Channel Name will be displayed on the upper line of the channel strip. The lower display line will show two characters of the input type and the input channel number, as in "MA-64".
- Label 1 & 2 will show both labels from the <u>Channel Naming</u> page for that channel strip, Label 1 above Label 2.

Channel# is where the source channel for each strip location is set.

Mix Type: Use **Mono** for normal active channel assignments. Use **None** to leave an unneeded strip always muted, even though the channel assignment is retained.

Mix is where you can set Left, Right or Left & Right mix assignments for the input source audio to be heard on front panel speakers and headphones, and how the rear panel outputs are mixed.

Save Configuration stores the preset in the database.

Display Configuration loads the current (edited) preset into the iAM-MADI for test purposes only. It will not be stored, and cannot be recalled later

Apply Configuration loads the preset to the database and loads it as the active preset.

New Configuration creates a new preset in addition to the existing ones.

System Setup

The System Setup page expands upon the status information in the Dashboard page, showing the installed option licenses, and provides a means to add additional option licenses.

WWohler 🛛						📤 Administrator Ac
🏟 Dashboard						
I Channel Naming	System Set	up				
📽 Configuration Setup	🏠 Dashboard / 🎤 System	n Setup				
🗲 System Setup	Product Information		🗯 System	Options.		
🛦 Network Setup 🔻	Name	IAM-MADI	Features	s installed on System.		
Management Network	Model	IAM-MADI-16	MADI	License Key	A	
🛱 System Update	Serial #	050-0000095	Option			
Database Management +	Hardware		Analog			
Export / Import Config Save / Restore DB	System Version					
			MADI BNC	B871-0BE5-8843-E227	7-60DB-34#	
			MADI	<u> </u>		
			Optical			
			Dolby		•	

The example above shows an iAM-MADI-16 with BNC I/O installed, and its license key displayed for reference.

Below that, the MADI Optical option has been clicked on (to check it) and is awaiting entry of the license key provided by Wohler Customer Service. Once entered, saved and accepted, the new license is available for use.

Network Setup

This is the place to make network **IP Address** changes to the iAM-MADI unit.

WWW Wohler		🛦 Administrator Account 👻
da Dashboard		
III Channel Naming	Network Setup	
ott Configuration Setup	🚓 Dashboard / 🚲 Network Setup	
🖋 System Setup	A Management Network	
🛦 Network Setup 👻		
Management Network	Enter IP Information Note : Saving will automatically reboot the system.	
	IP Address 172 27 2 2	
🔲 Database Management 👻	IP Mask 265 255 255 0	
	Gateway Address 172.27.1.1	
	Dns-nameserver 224.0.0.255	
	Bjöne	

IP Address: Enter the network address. Leading zeroes are not required.

IP Mask should usually be 255.255.255.0 unless your network can work across multiple subnets.

Gateway Address should usually be the same domain and subnet address numbers, with the last octet being .1.

Dns-nameserver: A default value is shown for reference only. DNS is not normally required for basic static IP network configurations to work. Your IT administrator will specify a value to work with mixed static/dynamic network setups.

Save applies the changes internally before rebooting the unit.

Database Management

Export Configuration

Use this page to offload an iAM-MADI's preset database to a USB flash drive, inserted in the front panel port.

Follow instructions on the bottom of the page to complete the procedure.

Wohler*		
	Database Management	
of Configuration Setup		
	at Export / Import Configuration	
	Configuration / Presets	
🛢 Database Management 🔻		
	Suturit	
	Please select an action.	
	1 Export Config 1 import Config	
	Please insert an USB flash drive. USB 1.X and USB 2.0 are supported. Then reload page.	

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Import Configuration

Use this page to retrieve presets from a USB flash drive, inserted in the front panel port.

Follow instructions on the bottom of the page to complete the procedure.

Wohler [.]		📥 Administrator Account 👻				
A Dashboard						
III Channel Naming	Database Management					
📽 Configuration Setup	🏶 Dashboard / 🛢 Database Management					
🗲 System Setup	St Export / Import Configuration					
🔥 Network Setup 👻						
& System Update	Configuration / Presets					
🛢 Database Management 🔻						
Export / Import Config	St	bmit				
Save / Restore DB	Please select an action.					
	Please select a database from USB Drive.					
	Description Created					
	USB flash drive, version 1.X or 2.0, needs to be inserted. Then reload page.					

Save / Restore Database (DB)

1 Wohler							
n Dashboard							
III Channel Naming	Database Management						
6 Configuration Setup	🚯 Dashboard / 📑 Database Management						
∲ System Setup							
👍 Network Setup 👻							
🖨 System Update	Save / Restore / Delete Database						
🗐 Database Management 🝷							
Export / Import Config	Submit						
Save / Restore DB							
	Please select an action.						
	Save OFF Restore OFF Delete OFF						
	Piease select a database.						
	Description Created						
	1 Wohler Database 2015-10-30 22:05:17						

The

iAM-MADI can internally store up to fifteen (15) configuration sets of presets. This page is used to manage the databases within an iAM-MADI unit.

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Refer to the list of databases at page bottom. There will only be one database until a new one is **Save**d.

Use **Restore** to reverse database corruption if you notice or suspect the presets are not appearing correctly.

There is no need to **Delete** a database until the maximum number has been reached, to make room for a new one.

APPENDIX A: Software Upgrades

Introduction

This chapter describes how to download a software upgrade file to your PC, transfer it to a USB flash drive and install into your iAM-MADI.

Download the Software

The iAM-MADI upgrade software can be found at http://www.wohler.com, under Product Downloads on the Products > iAM-MADI page, in Support > Downloads, or contact Wohler Customer Support for more information.

Unzip and copy the update file(s) from your computer to the root directory (not inside a folder) of a USB flash drive. It must be FAT32 file type, and does not need to be empty.

Important:

The Web GUI is required to perform the software upgrade procedure. Refer to Chapter 4 First Time IP Assignments if not already set up for your network.

Installing the Software

Insert USB drive into iAM-MADI front panel jack.

Click on System Update in the web browser GUI.

If the "**Newer Version** ..." message below appears, the system has the latest software in it, and no further action is required or possible.

WWOhler 🛛				📥 Administrator Account 🚽	
🏚 Dashboard					
🖽 Channel Naming	System Update				
📽 Configuration Setup	Configuration Setup & Dashboard / System Update				
🖋 System Setup	System Update		System Information		
🛦 Network Setup 🔻	Please Select the package you want to update :		Software Version :		
🏶 System Update					
🛢 Database Management 👻	Description	Version	Description	Version	
	A Newer Version of Wohler Package already installed. USB flash drive does not contain any updates for your		Wohler iAM-MADI audio monitor	1.4-11	
	system.		FPGA	A1 14	

Otherwise, select the file to be installed by clicking the check box, making it green, as shown below.

Then click **Update System**.

WWohler [,]				🛔 Administrator Account 🗸
88 Dashboard				
Channel Naming	System Update			
Sconfiguration Setup	🏟 Dashboard / 🌣 System Update			
ℰSystem Setup	System Update		System Information	
📥 Network Setup 🝷	Please Select the package you want to undate :		Software Version :	
System Update				
	Description	Version	Description	Version
	Vohler iAM-MADI audio monitor	1.4-11	Wohler iam-madi audio monitor	1.3-0
			FPGA	A1 14
	▲ Update System			

The Web GUI will indicate progress of the software installation and results.

Important:

Do not interrupt or remove power to the iAM-MADI, or remove the USB drive during the installation process. Doing so could crash the iAM-MADI software.

The iAM-MADI will display a message when the upgrade is complete and reboot.

Remove the USB drive any time after upgrade is complete.

Either **Refresh** the browser by clicking on the Wohler logo, or close and reopen the browser for normal operation of the Web GUI after the iAM-MADI reboots.