



CH2000IP

Life Safety Communication Platform
Product Specifications



CH2000IP ECOSYSTEM



1. CH2000IP Server (CH2000IP)
 2. MapAssistIP w/ Touch Screen Computer (MATC)

3. Admin Console (ADMIN7)
 4. Messaging Displays (CLKMSL)
 5. Analog Gateway (GW2WIP1)

6. Call Stations (Various)
 7. Alert Station (AS-3B-LWE)
 8. Mobile App (VCall+)

9. Microphone (GWMIC)
 10. Ceiling Speaker
 11. Network Switch

CH2000IP PLATFORM CAPABILITIES



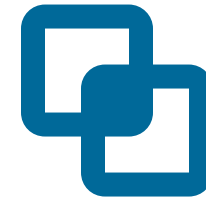
Capacities

- 16 admin phones
- 100 tones
- 32 call-in groups
- 200 call-ins (queued)
- 64 speaker zones
- 128 up to 256 endpoints (e.g., speaker gateways / messaging displays)
- 1 music source
- 1 main calendar schedule
- 80 alternate day calendar schedules



Performance

- 99 simultaneous tasks (e.g., tone playback, intercom, pages, music distribution, etc.)
- Internet Protocol (IP) based
- Monitored endpoints with automated email alerts
- Commercial-grade server capacity and performance tested for reliability
- G.722 wideband audio codec for fuller sounding audio



Integrations

- Classroom sound reinforcement
- SIP trunk
- VoIP PBX (Account Authentication Registration)
- Analog speakers
- Third-party alarm and monitoring systems

General purpose inputs and outputs (coming soon)

- Door access control and communication
- Third-party integrations with contact closures

The CH2000IP is a commercial-grade life safety paging, intercom, and tone server that operates with the MapAssistIP software suite and peripheral products.

- Licensing available for 128 or 256 endpoints
- Intercom to speakers from phones
- Call-ins from intercom devices/speakers to phones
- Paging from phones (All page / Zone page / Speaker page)
- Play tones (All / Zone / Speaker)
- Trigger alerts (e.g., Lockdown)
- Music distribution
- Priority-based communications
- Pre-recorded messages and tones
- Audio/Visual communication
- Turn on/off outputs
- Monitor endpoints
- and more...

Part Number	CH2000IP
Power	
Type	Integrated Power Supply
Input	100-240VAC, 50/60HZ, 4A @100VAC, 2A @240VAC
Ports	
Ethernet	(2) 802.11 10/100/1G, Auto MDIX (LAN 2 not used)
USB	(2) USB3.0, (1) USB 2.0 (used with RLYUSB1 only)
Video	(1) VGA (service use only)
Serial	(1) RS-232 DB-9 (used with AS-3B only)
Mechanical	
Dimensions	17.1 X 1.68 X 23.5 (434mm X 42.8mm X 595mm) Standard 1U Rack Compatible
Weight	29.9lb (12.2kg)
Environmental	
Ambient Temperature	10°C to 35°C
Humidity	10% - 85% (non-condensing)
Included Accessories	
DCI232-3	3-input module, connects to serial port COM1 Input 1: Lockdown Input 2: Tornado Input 3: Evacuate
Regulatory Certifications	
EMC	US: FCC Part 15 Class A CA: ICES-003(A) / NMB-003(A)
Safety	cULus I.T.E. E105106



MapAssistIP converts your facility blueprint into an interactive communication dashboard for everyday and emergency communications

It has never been easier to make an intercom call, distribute a page, play a tone or music, create a bell schedule, or initiate a lockdown. It's a matter of a mouse click or the touch of your finger.

Receive visual feedback of your communications right on the map of your institution in real-time.

- Make intercom calls, initiate pages, play tones, and send emergency messages using an interactive map
- Receive lockdown acknowledgments by room or VCall+ mobile app on iOS and Android devices
- Create yearly bell schedules, alternate day schedules, and more with the user-friendly calendar interface
- Real-time visual feedback
- Visual priority-based communication
- Use preinstalled tones and messages and easily create your own
- One-click staff directory
- User access management

Part Number	MapAssistIP
Minimum System Requirements	
CPU	x64, 4 cores, 2 GHz
RAM	4GB DDR4
Mass Storage	256GB SSD
Graphics	1920x1080 FHD Hardware Accelerated
Compatibility	
MATC	MapAssist(IP) Touchscreen Computer
CH2000IP	2.7.0.0 or later



MapAssistIP Touch Screen Computer | MATC

With MapAssistIP, perform all your intercom, paging, and emergency communications from this all-in-one touchscreen computer.

The 22" touch screen computer is a Full HD LED back-lit touch screen monitor with 1920x1080 resolution and integrated speakers.

It has a 20000000:1 MEGA dynamic contrast ratio for sharp, crisp images and eco-mode for energy savings.

- Touchscreen computer for intercom, paging and emergency communications
- 22" Full HD LED back-lit touch screen
- Integrated speakers
- Keyboard and mouse
- Windows 10
- MapAssistIP software is sold separately

Part Number	MATC
Power	
Input / Output	60W Power Adapter / Input: 100-240 VAC / Output: 12VDC 5A
Audio	
Audio Out	Line level 1/8" jack
Mechanical	
Dimensions	134 x 134 x 38 (mm)
Weight	1.5 lbs (0.69 kg)
Environment	
Ambient Temperature	32–104°F (0–40°C)
Ports	
LAN	10/100/1000 Ethernet LAN
System	
Operating System	Windows 10
Regulatory Certifications	
EMC	US: FCC Part 15: Class B CA: ICES-003(B) / NMB-003(B)
Safety	cULus I.T.E. E307995



The ADMIN7 IP Administrative Phone is a complete admin phone solution for the CareHawk CH2000IP Life Safety Communication Platform.

Initiate intercom calls to the classroom, play tones to zones, perform and respond to emergency communications, and more

- Priority-based call queue
- Two-way intercom to the classroom
- Broadcast pages or tones to zones
- HD audio on speakerphone and handset
- 7-inch capacitive touchscreen display
- Built-in Bluetooth for connecting Bluetooth headset or use the wired headset/mic jack
- Dual Gigabit ports
- Integrated PoE
- Stand with two adjustable angles of 40 and 50 degrees

Part Number	ADMIN7
Power	
Input	PoE 12W or 5VDC 2A Adapter
Audio	
Audio	HD Audio, HAC (Hearing Aid Compatible) Narrowband CODEC G.711a/u, G.729AB, iLBC Wideband CODEC G.722, Opus Full duplex AEC (hands-free)
Display	
LCD	7" 1024x600 Color Touchscreen
Ports	
Handset	RJ9
Headset	RJ9
Ethernet	10/100/1G, RJ45, 1 x Network, 1 x pass-through bridge IPv4, VLAN, LLDP, CDP, QoS, SIP 2.0, UDP, TCP, TLS, RTP/RTCP/SRTP, STUN, SNTP
USB 2.0	Type A
Mechanical	
Dimensions	Stand Angle 52° 10.55" x 7.28" x 7.44" (268mm x 185mm x 189mm) Stand Angle 40° 10.55" x 7.91" x 6.61" (268mm x 201mm x 168mm)
Weight	2.5 lb (1.13kg)
Environmental	
Ambient Temperature	0°C to 45°C
Humidity	10% - 95% (non-condensing)
Regulatory Certifications	
EMC	USA: FCC Part 15 Class B, FCC ID 2APPZ-X7A CAN ICES-003(B)/NMB-003(B) ID 27176-X7A



IP Amplified Gateway | GW2WIP1

The GW2WIP1 is a SIP-enabled communications gateway allowing for full-duplex communication with the CH2000IP communication server.

- Button or remote volume adjustment
- Handsfree talking
- Default auto answer
- Supports DC or POE power supply
- Call and emergency call switch inputs
- Voice broadcast of unit IP address

Part Number	GW2WIP1
Power	
Type	PoE: 802.3af (Class 3: 6.49 ~ 12.95W)
Ports / Indicators / Buttons	
Ethernet	WAN port 10/100M adaptive, support POE
Indicators	1 blue indicator (SIP status and network status)
Volume	2 volume plus or minus key
Buttons	2 pushbutton inputs
Speaker Interface	1 way passive speaker interface: Output power - 2 Watts.
Networking / Protocols	
Details	Primary and secondary DNS servers are supported Supports VLAN, HTTP / HTTPS web pages, Qos: 802.1p / q, DSCP
Mechanical	
Dimensions	113mm x 83mm x 28mm
Weight	0.55 ilbs (250g)
Environmental	
Ambient Temperature	Operating temperature: -30 ~ 70 °C Storage temperature: -40 ~ 70 °C
Relative Humidity	10% - 95%

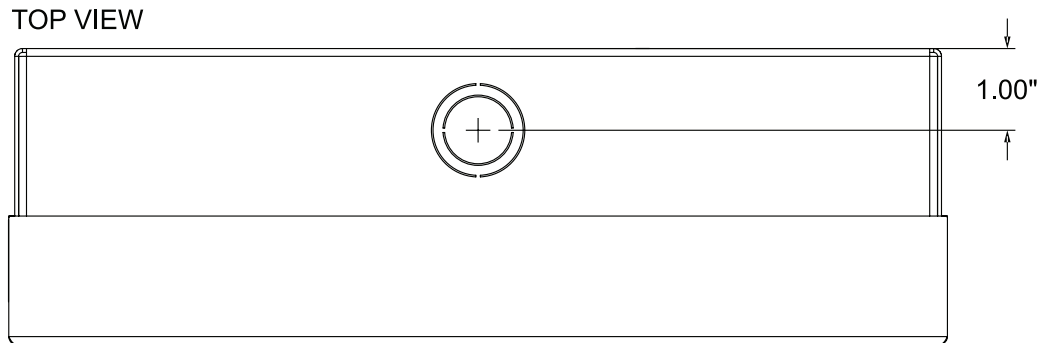
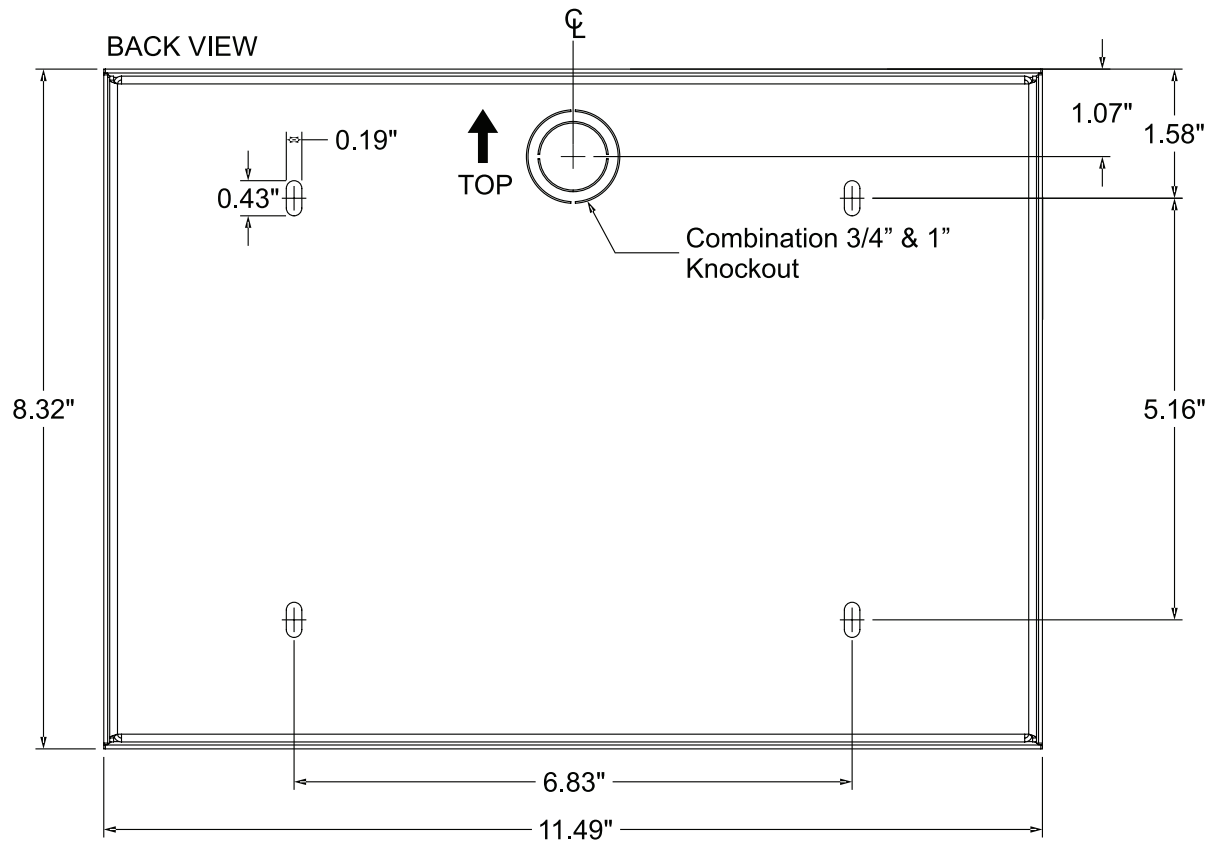


A network of hallway and classroom messaging displays provide superior emergency and everyday communications for improved student and staff safety.

- The 10" LCD with full-color graphics and text ensures message legibility from greater viewing distances for more effective communication
- Choose from common pre-installed alerts (e.g., lockdown, hold and secure, weather alerts, and more) or create custom alert screens
- Vandal-resistant 3mm Lexan screen protection
- Slanted face for glare reduction and enhanced visibility
- Four configurable RGB strobe lights for improved visibility at a distance
- Create custom strobe light configurations for each alert
- IP-based for easy networking
- The user-friendly browser-based software allows display control from anywhere on the network
- Configure the clock in 12 or 24-hour mode and digital or analog clock faces
- POE powered
- Dry contact output configurable to activate with any alert

Part Number	CLKMSL10
Power	
Input	802.3af PoE /9.5 Watts
Display	
LCD	10.1" Diagonal, 1024x600, IPS TFT LCD, 425 NITS
Indicators	4 RGB strobes, 10° X 110° wide viewing angle
Ports	
Ethernet	10/100 Mbps, Auto MDIX, RJ45, use minimum CAT5e 24AWG CMX
Protocols	SIP IPv4 IPv6 TCP/IP UDP DHCP HTTP NTP IGMP ICMP LLDP-MED mDNS WebSocket
General Purpose Inputs	2 non-isolated contact closure inputs (i.e. for direct connection of pushbutton) / 4-position pluggable screw terminal
General Purpose Outputs	1 Isolated Form C relay, MAX 30 VDC 1A / 3-position pluggable screw terminal. Do not connect AC mains voltage
Mechanical	
Dimensions	11.6" X 8.3" X 3.8" (295mm X 211mm X 97mm)
Weight	5.3 lb (2.4 kg)
Mounting	Wall mount options Four (4) #8 X 1" wood screws with min. 1" thread engagement** when fastening into wood studs. Four (4) 3/16 X 1-1/4" concrete screws with min. 1" thread engagement** when fastening into concrete or hollow block. ** Use proportionally longer fasteners when fastening through materials like drywall. For other applications use suitable anchors with minimum load rating of 50lb per fastener.
Environmental	
Ambient Temperature	Normal Ambient Temperature: 15°C to 25°C Short-term, normal operation: 10°C to 49°C Non-powered: -25°C to 70°C
Humidity	10% - 85% (non-condensing)
Regulatory Certifications	
Safety	UL 62368-1 Compliant, CSA C22.2 No. 62368-1 Compliant (certification pending)
EMC	USA: FCC Part 15 Class A Canada: CAN ICES-003(A)/NMB-003(A)





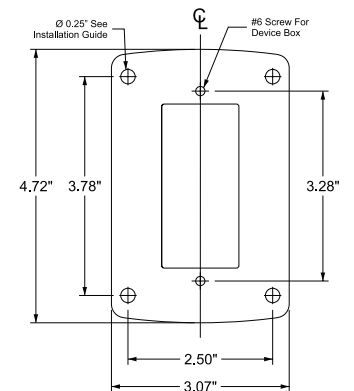
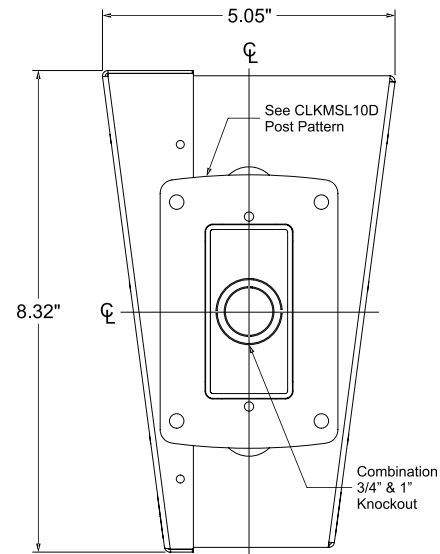
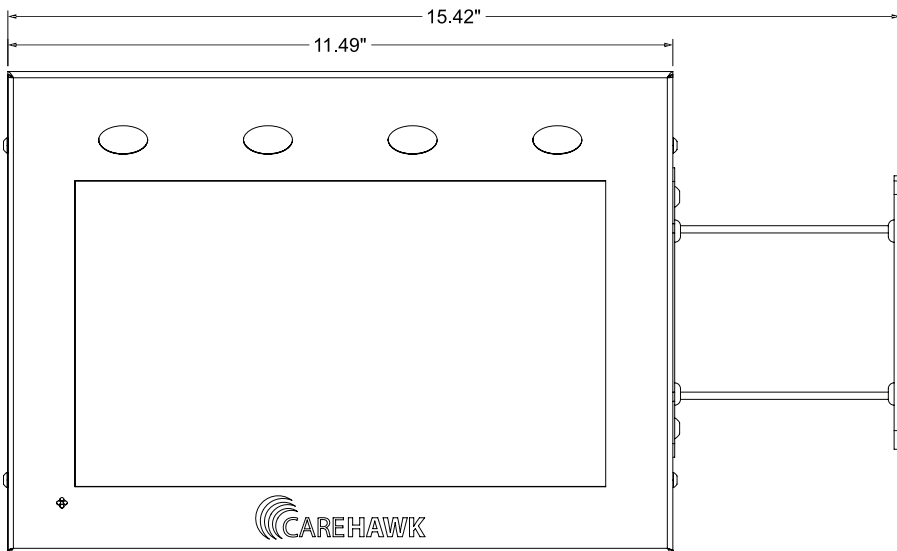
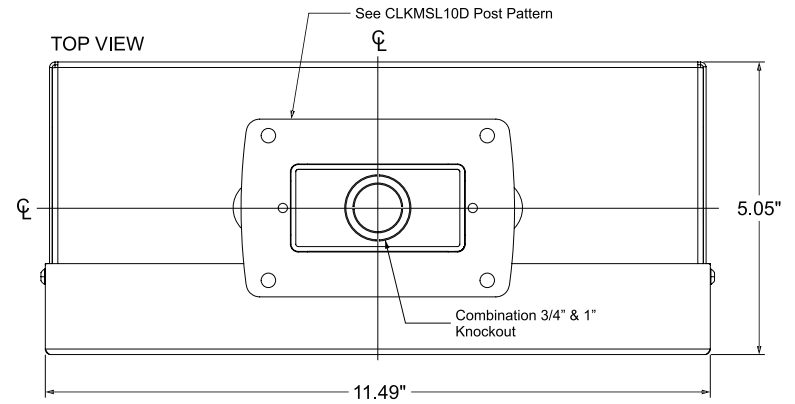
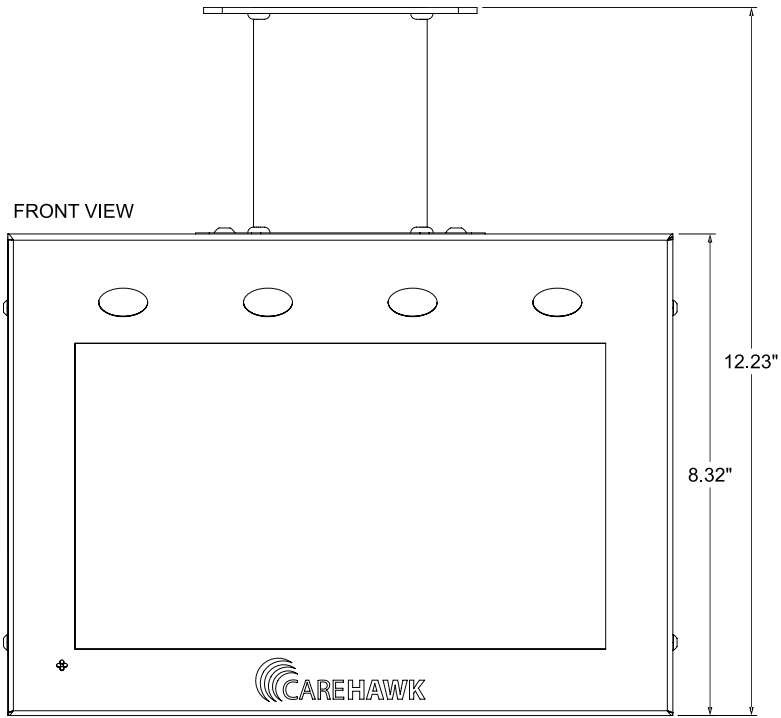
A network of hallway and classroom messaging displays provide superior emergency and everyday communications for improved student and staff safety.

- The 10" dual LCD with full-color graphics and text ensures message legibility from greater viewing distances. Wall or ceiling mount.
- Dual screens ideal for hallways and corridors
- Slanted face for glare reduction and enhanced visibility
- Vandal-resistant 3mm Lexan screen protection
- Four configurable RGB strobe lights (per side) for improved visibility
- Choose from common pre-installed alerts (e.g., lockdown, hold and secure, weather alerts, and more) or create custom alert screens
- Create custom strobe light configurations for each alert
- IP-based for easy networking
- The user-friendly browser-based software allows display control from anywhere on the network
- Configure the clock in 12 or 24-hour mode and digital or analog clock faces
- POE+ powered
- Dry contact output configurable to activate with any alert

Part Number	CLKMSL10D
Power	
Input	802.3at PoE+ 12.3 Watts
Display	
LCD	Two 10.1" Diagonal, 1024x600, IPS TFT LCD, 425 NITS
Indicators	Two sets of 4 RGB strobes, 10° X 110° wide viewing angle
Ports	
Ethernet	10/100 Mbps, Auto MDIX / RJ45 / Use minimum CAT5e 24AWG CMX
Protocols	SIP IPv4 IPv6 TCP/IP UDP DHCP HTTP NTP IGMP ICMP LLDP-MED mDNS WebSocket
General Purpose Inputs	2 non-isolated contact closure inputs (i.e. for direct connection of pushbutton) / 4-position pluggable screw terminal
General Purpose Outputs	1 Isolated Form C relay, MAX 30 VDC 1A / 3-position pluggable screw terminal. Do not connect AC mains voltage.
Mechanical	
Dimensions	11.6" X 8.3" X 5.4" (295mm x 211mm x 137mm)
Weight	6.6 lb (3 kg)
Mounting	Wall or ceiling mount options Four (4) #12 X 1-1/4" wood screws with min. 1" thread engagement** when fastening into wood studs. Four (4) 3/16 X 1-1/4" concrete screws with min. 1" thread engagement** when fastening into concrete or hollow block. ** Use proportionally longer fasteners when fastening through materials like drywall. For other applications use suitable anchors with minimum load rating of 125lb per fastener.
Environmental	
Ambient Temperature	Normal Ambient Temperature: 15°C to 25°C Short-term, normal operation: 10°C to 49°C Non-powered: -25°C to 70°C
Humidity	10% - 85% (non-condensing)
Regulatory Certifications	
Regulatory	UL 62368-1 Compliant, CSA C22.2 No. 62368-1 Compliant (certification pending)
EMC	USA: FCC Part 15 Class A Canada: CAN ICES-003(A)/NMB-003(A)



10" IP Dual Messaging Display | CLKMSL10D / CAD DRAWINGS



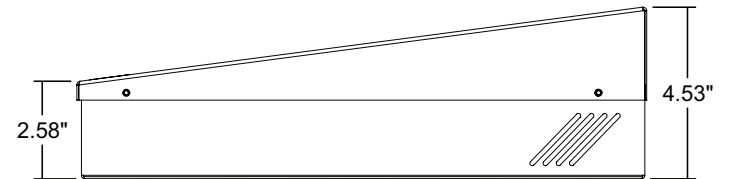
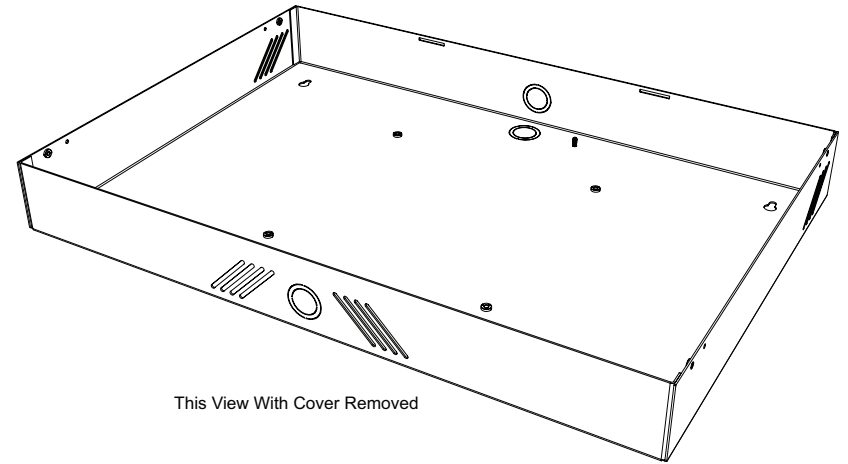
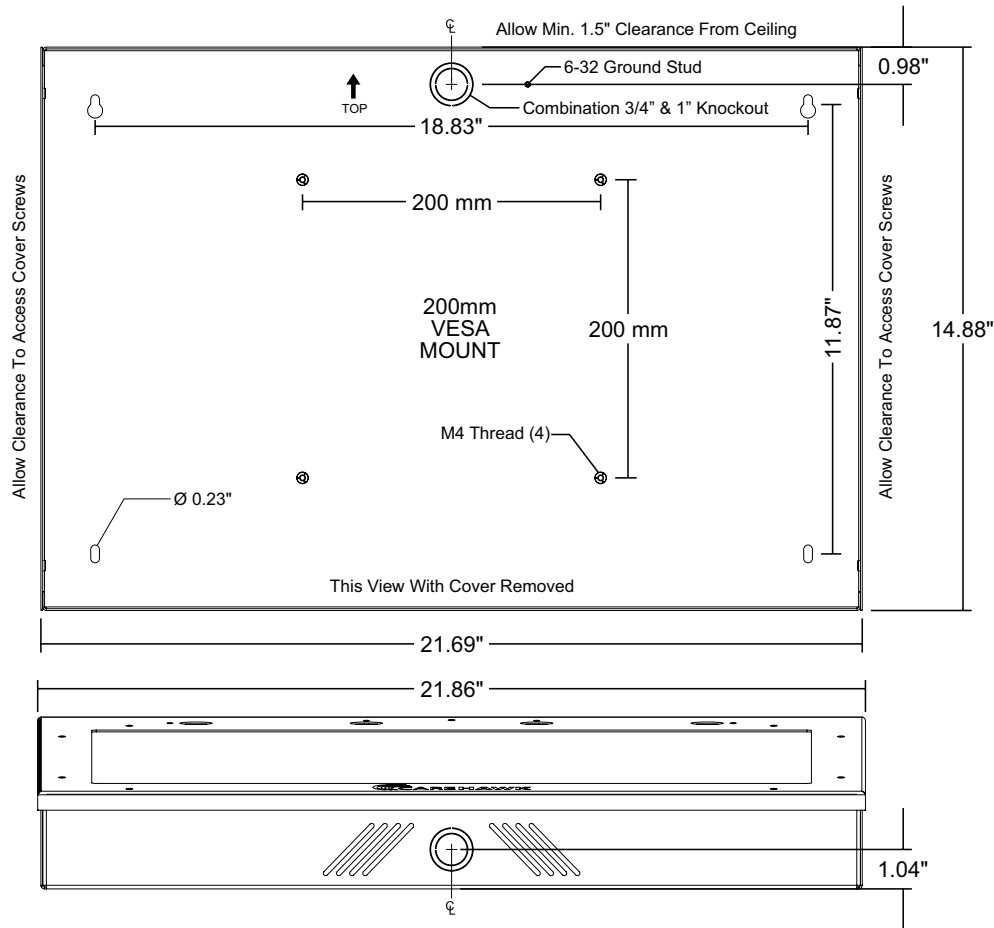
A network of hallway and classroom messaging displays provide superior emergency and everyday communications for improved student and staff safety.

- The 22" LCD with full-color graphics and text ensures message legibility from greater viewing distances
- Slanted face for glare reduction and improved visibility
- Choose from common pre-installed alerts (e.g., lockdown) or create custom alert screens
- Four configurable RGB strobe lights for enhanced alert visibility
- Create custom strobe light configurations for each alert
- IP-based for easy networking
- The user-friendly browser-based software allows display control from anywhere on the network
- Automatic Gain Control. The louder the noise in the room the higher the output from the amplifier
- Configure the clock in 12 or 24-hour mode and digital or analog clock faces
- 12V DC powered
- Dry contact output configurable to activate with any alert
- Provision for external speaker(s) (up to 15 Watts)
- Line-out for external amplifier
- VESA mount option

Part Number	CLKMSL22A
Power	
Input	12Vdc, 35W
Audio	
Amplifier	Class D, 4Ω Load 15W (max 16.5W), 8Ω Load 9W (max 9.5W) 100Hz–20kHz, THD <1% (Test signal: 1kHz sine wave, 80% volume, measurement bandwidth 100Hz – 20 kHz)
Speaker	External, 4Ω - 8Ω
Line-out	1Vrms, 100kΩ output impedance
Supported CODEC's	PCMA / G.711A, PCMU / G.711μ
Ambient Sound Level Compensation	50-90 dBspl typical detection range, variable gain 0dB to +16dB
Display	
LCD	22" Diagonal, 1280X720, IPS TFT LCD, 220 NITS
Indicators	4 RGB strobes, 10° X 110° wide viewing angle
Ports	
Ethernet	10/100 Mbps, Auto MDIX, RJ45, use minimum CAT5e 24AWG CMX
Protocols	SIP IPv4 IPv6 TCP/IP UDP DHCP HTTP NTP IGMP ICMP LLDP-MED mDNS WebSocket
General Purpose Inputs	2 non-isolated contact closure inputs (i.e. for direct connection of pushbutton), 4-position pluggable screw terminal.
General Purpose Outputs	1 Isolated Form C, MAX 30 VDC 1A, 3-position pluggable screw terminal. Do not connect AC mains voltage.
Field Connectors	
Ethernet	RJ45, use minimum CAT5e 24AWG CMX
General Purpose Inputs	4-position pluggable screw terminal
General Purpose Outputs	3-position pluggable screw terminal
Speaker	2-position pluggable screw terminal
Line Out	2-position pluggable screw terminal
Mechanical	
Dimensions	21.9" X 15.1" X 4.6" (556mm X 383mm X 116mm)
Weight	16.2 lb (7.34 kg)

Part Number	CLKMSL22A
Mounting	
Mounting	VESA 200mm Mount or, Four (4) #8 X 1-1/4" wood screws with min. 1" thread engagement** when fastening into wood studs or, Four (4) 3/16 X 1-1/4" concrete screws with min. 1" thread engagement** when fastening into concrete or hollow block. ** Use proportionally longer fasteners when fastening through materials like drywall. For other applications use suitable anchors with minimum load rating of 50lb per fastener.
Environmental	
Ambient Temperature	Normal Ambient Temperature: 15°C to 25°C Short-term, Normal Operation: 10°C to 40°C Non-powered: -25°C to 70°C
Humidity	10% - 85% (non-condensing)
Regulatory Certifications	
EMC	USA: FCC Part 15 Class A Canada: CAN ICES-003(A)/NMB-003(A)

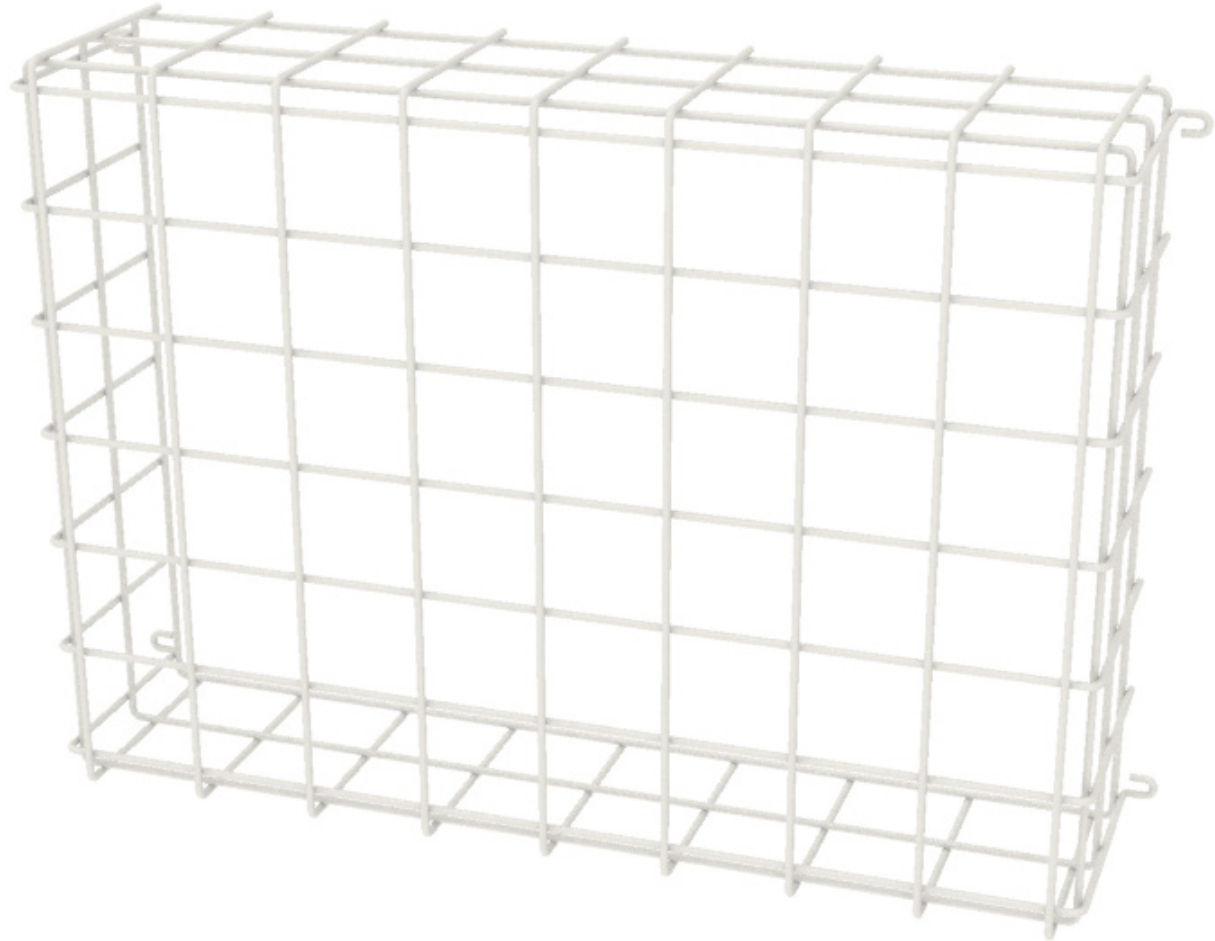




22" Messaging Display Cage | CLKMSL22A-CAGE

Protect your 22" messaging displays against stray objects and vandalism with the CLKMSL22A-CAGE cage for the CLKMSL22A Messaging Display.

- Well-suited for gymnasiums and other active environments
- Carbon steel 7 heavy-gauge wire protects against common sports equipment impacts.
- Powder coat Sky White Satin



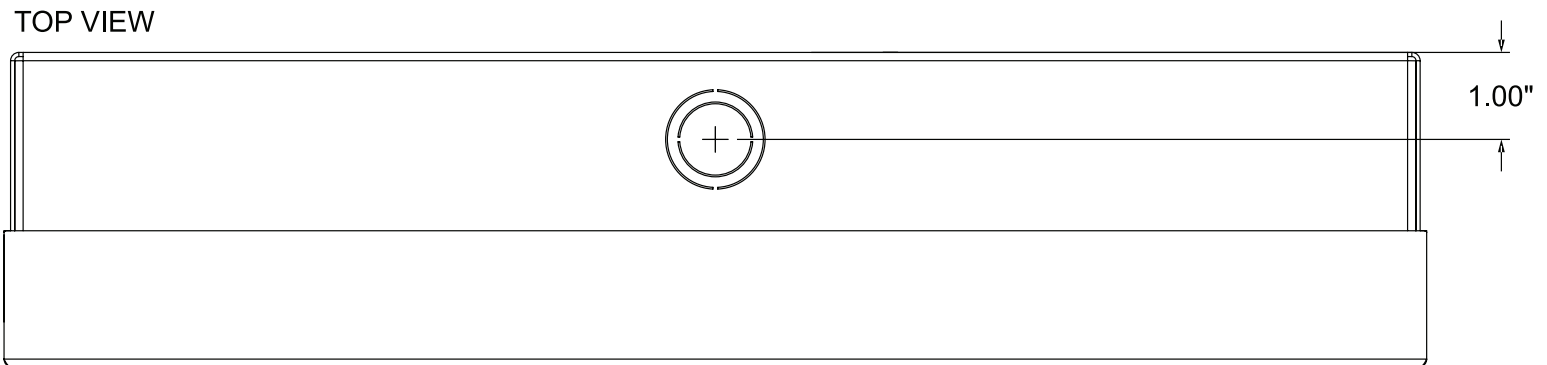
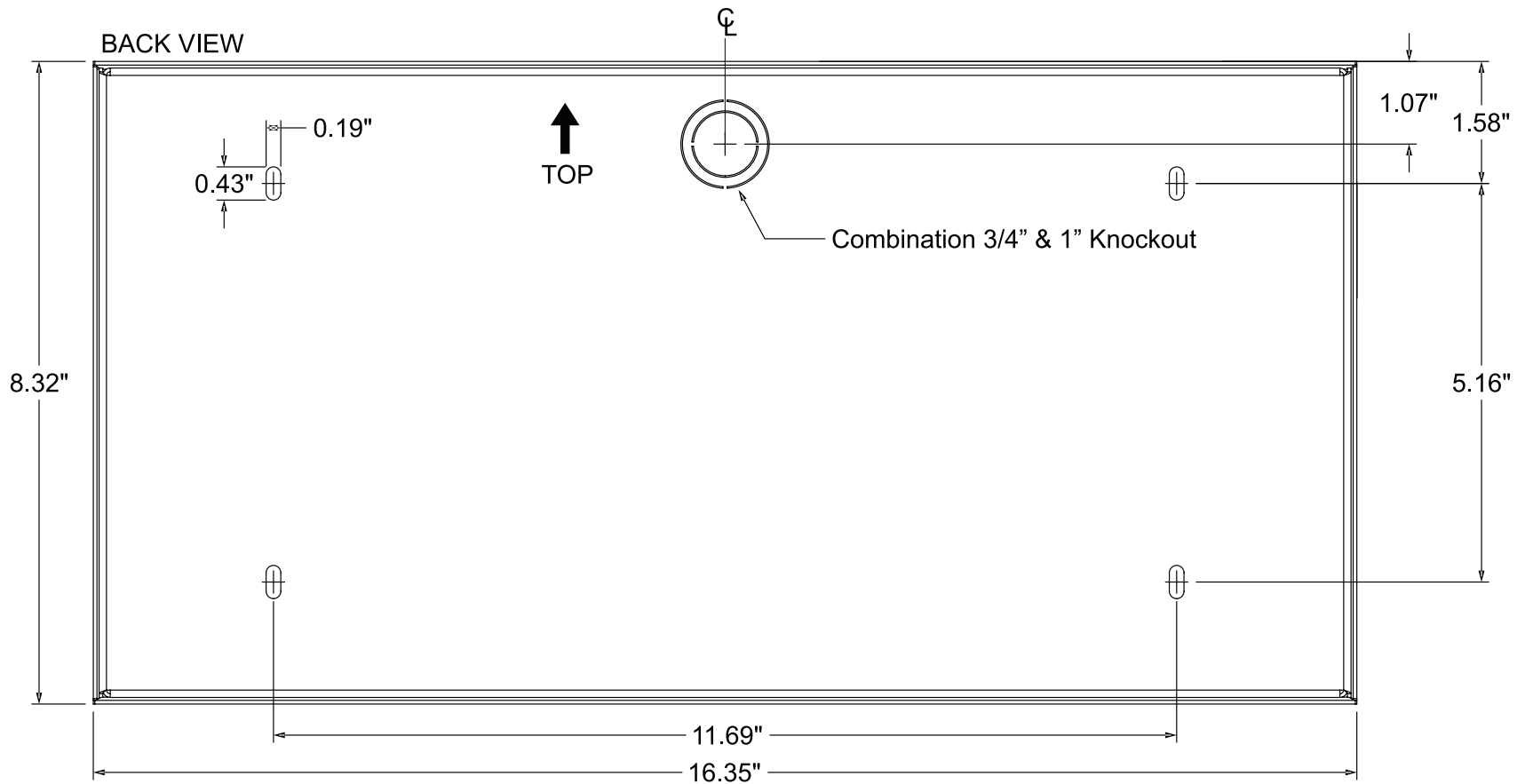
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- The 10" LCD with full-color graphics and text ensures message legibility from greater viewing distances for more effective communication
- Built in speaker/microphone for two-way intercom communication and paging
- Slanted face for glare reduction and improved visibility
- Vandal-resistant 3mm Lexan screen protection
- Four configurable RGB strobe lights for improved visibility
- Choose from common pre-installed alerts (e.g., lockdown) or create custom alert screens
- Create custom strobe light configurations for each alert
- IP-based for easy networking
- The user-friendly browser-based software allows display control from anywhere on the network
- Configure the clock in 12 or 24-hour mode and digital or analog clock faces
- POE+ powered
- Dry contact output configurable to activate with any alert

Part Number	CLKMSL10-SPK
Power	
Input	802.3at PoE+ 15.5 Watts
Display	
LCD	10.1" Diagonal, 1024x600, IPS TFT LCD, 425 NITS
Indicators	4 RGB strobes, 10° X 110° wide viewing angle
Audio	
Amplifier	Class D, 4 Watts ¹ , 100Hz- 4kHz thd <1.5%, 4kHz-22kHz thd <2.5% (*Test signal: 1KHz sine wave, typical SPL measured at 1 meter)
Speaker	4" 8Ω 5oz magnet, 96dBa1 at 100% volume, 86dBa1 at (default) 68% volume
Supported CODEC's	PCMA / G.711A, PCMU / G.711μ
Ports	
Ethernet	10/100 Mbps, Auto MDIX / RJ45 / Use minimum CAT5e 24AWG CMX
Protocols	SIP IPv4 IPv6 TCP/IP UDP DHCP HTTP NTP IGMP ICMP LLDP-MED mDNS WebSocket
General Purpose Inputs	2 non-isolated contact closure inputs (i.e. for direct connection of pushbutton) / 4-position pluggable screw terminal
General Purpose Outputs	1 Isolated Form C relay, MAX 30 VDC 1A / 3-position pluggable screw terminal. Do not connect AC mains voltage.
Field Connectors	
Ethernet	RJ45, use minimum CAT5e 24AWG CMX
General Purpose Inputs	4-position pluggable screw terminal
General Purpose Outputs	3-position pluggable screw terminal
Mechanical	
Dimensions	16.5" X 8.3" X 3.8" (419mm X 211mm X 97mm)
Weight	7.4 lb (3.4 kg)

Part Number	CLKMSL10-SPK
Mounting	
Mounting	Four (4) #8 X 1-1/4" wood screws with min. 1" thread engagement** when fastening into wood studs. Four (4) 3/16 X 1-1/4" concrete screws with min. 1" thread engagement** when fastening into concrete or hollow block. ** Use proportionally longer fasteners when fastening through materials like drywall. For other applications use suitable anchors with minimum load rating of 50lb per fastener.
Environmental	
Ambient Temperature	Normal Ambient Temperature: 15°C to 25°C Short-term, normal operation: 10°C to 49°C Non-powered: -25°C to 70°C
Humidity	10% - 85% (non-condensing)
Regulatory Certifications	
Regulatory	UL 62368-1 Compliant, CSA C22.2 No. 62368-1 Compliant (certification pending)
EMC	USA: FCC Part 15 Class A Canada: CAN ICES-003(A)/NMB-003(A)





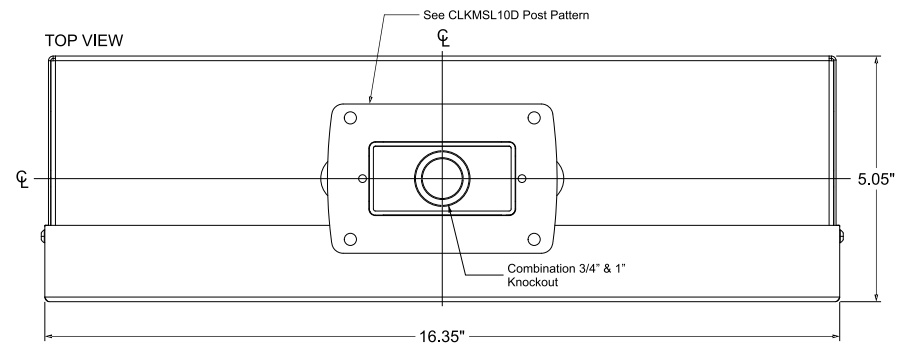
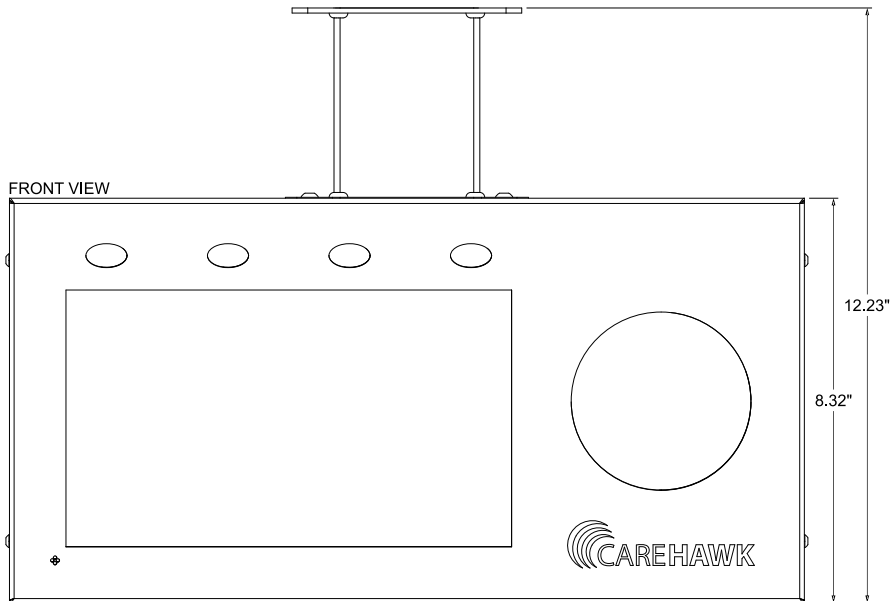
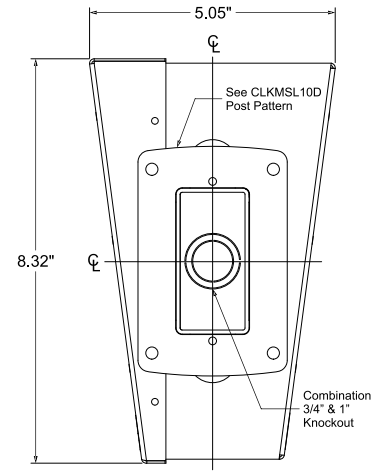
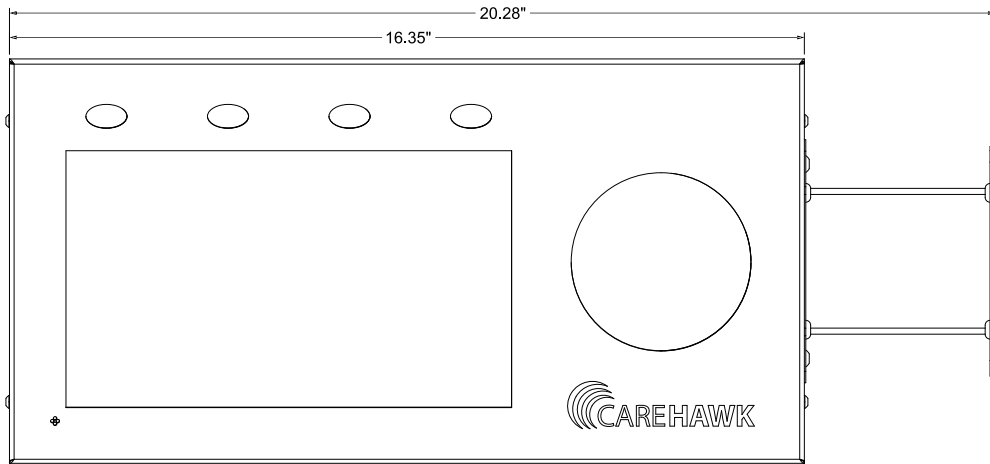
A network of hallway and classroom messaging displays provide superior emergency and everyday communications for improved student and staff safety.

- The 10" dual LCD with full-color graphics and text ensures message legibility from greater viewing distances
- The dual screens are ideal for hallways and corridors as messages can be seen in both directions
- Built in speaker/microphone for two-way intercom communication and paging
- Slanted face for glare reduction and improved visibility
- Vandal-resistant 3mm Lexan screen protection
- Four configurable RGB strobe lights (per side) for improved visibility
- Choose from common pre-installed alerts (e.g., lockdown) or create custom alert screens.
- Create custom strobe light configurations for each alert
- IP-based for easy networking
- The user-friendly browser-based software allows display control from anywhere on the network
- Configure the clock in 12 or 24-hour mode and digital or analog clock faces
- POE+ powered
- Dry contact output configurable to activate with any alert

Part Number	CLKMSL10D-SPK
Power	
Input	802.3at PoE+ 24.1 Watts
Display	
LCD	Two 10.1" Diagonal, 1024x600, IPS TFT LCD, 425 NITS
Indicators	Two sets of 4 RGB strobes, 10° X 110° wide viewing angle
Audio	
Amplifier	Class D, 2 x 4 Watts ¹ , 100Hz–4kHz thd <1.5%, 4kHz-22kHz thd <2.5% (*Test signal: 1KHz sine wave, typical SPL measured at 1 meter)
Speaker	Two 4" 8Ω 5oz magnet, 96dBa1 at 100% volume, 86dBa1 at (default) 68% volume
Supported CODEC's	PCMA / G.711A, PCMU / G.711μ
Ports	
Ethernet	10/100 Mbps, Auto MDIX / RJ45 / Use minimum CAT5e 24AWG CMX
Protocols	SIP IPv4 IPv6 TCP/IP UDP DHCP HTTP NTP IGMP ICMP LLDP-MED mDNS WebSocket
General Purpose Inputs	2 non-isolated contact closure inputs (i.e. for direct connection of pushbutton) / 4-position pluggable screw terminal
General Purpose Outputs	1 Isolated Form C relay, MAX 30 VDC 1A / 3-position pluggable screw terminal. Do not connect AC mains voltage.
Field Connectors	
Ethernet	RJ45, use minimum CAT5e 24AWG CMX
General Purpose Inputs	4-position pluggable screw terminal
General Purpose Outputs	3-position pluggable screw terminal
Mechanical	
Dimensions	16.5" X 8.3" X 5.4" (419mm x 211mm x 137mm)
Weight	9.5 lb (4.3 kg)

Part Number	CLKMSL10D-SPK
Mounting	
	Four (4) #8 X 1-1/4" wood screws with min. 1" thread engagement** when fastening into wood studs. Four (4) 3/16 X 1-1/4" concrete screws with min. 1" thread engagement** when fastening into concrete or hollow block. ** Use proportionally longer fasteners when fastening through materials like drywall. For other applications use suitable anchors with minimum load rating of 50lb per fastener.
Environmental	
Ambient Temperature	Normal Ambient Temperature: 15°C to 25°C Short-term, normal operation: 10°C to 49°C Non-powered: -25°C to 70°C
Humidity	10% - 85% (non-condensing)
Regulatory Certifications	
Regulatory	UL 62368-1 Compliant, CSA C22.2 No. 62368-1 Compliant (certification pending)
EMC	USA: FCC Part 15 Class A Canada: CAN ICES-003(A)/NMB-003(A)





The VCall+ mobile app turns your phone into a mobile call point.¹ Initiate normal and emergency call-ins, lockdowns, and other alerts.

- Mobile App (iOS and Android)
- Initiate normal and emergency call-ins to MapAssistIP and ADMIN7 phones from classroom endpoints like speakers and intercom-capable messaging displays¹
- Initiate alerts like lockdown, evacuate, and other configured tones
- Check-in acknowledgment during lockdown events
- Receive in-app alert messages and phone vibrations initiated by other trigger points for lockdown, evacuate, etc²
- User and role management with password security
- Configure staff name, location, and mobile number and pass that information to the receiving ADMIN7 phone and MapAssistIP
- Save and manage favorite endpoints easily
- Provides redundancy to traditional wired call points
- ADA and AODA-compliant color scheme
- Licensed on the CH2000IP (license key must be installed)

Part Number	VCall+
Compatibility	
Device Compatibility	Apple iOS (Version 12 or later) Android OS (Version 11 or later)
System Compatibility	CH2000IP Communication Server Revision 2.9.0.0 or later

¹ The VCall+ app does not provide direct two-way audio communication.
² The VCall+ app does not support push notifications.



Call Stations | CS2-C(-FR) / CS2-CE(-FR) / CS55 / CS-D30-IP

A variety of call station types are available.

Choose from metal tamper-resistant buttons, rocker switches, or silicon buttons.



MODEL	CS2-C(-FR)
Electrical	
Switch Contact	< 50mΩ, 36Vdc 2A Max
Mechanical	
Dimensions	4.5" X 2.75" X 0.94" (114mm X 70mm X 24mm)
Weight	4.3oz (122g)
Plate Material	302/304 Stainless Steel
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temp	0°C to 50°C
Humidity	10% - 85% (non-condensing)

PSP-0062-000



MODEL	CS2-CE(-FR)
Electrical	
Switch Contact	< 50mΩ, 36Vdc 2A Max
Mechanical	
Dimensions	4.5" X 2.75" X 0.94" (114mm X 70mm X 24mm)
Weight	4.5oz (122g)
Plate Material	302/304 Stainless Steel
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temp	0°C to 50°C
Humidity	10% - 85% (non-condensing)

PSP-0062-000



MODEL	CS55
Electrical	
Switch Contact	< 50mΩ, 36Vdc 2A Max
Wire Color Code	Black: Common White: Call Orange: Emergency
Mechanical	
Dimensions	4.5" X 2.75" X 1.0" (114mm X 70mm X 26mm)
Weight	2.0oz (56g)
Plate Material	Stainless Steel
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temp	0°C to 50°C
Humidity	10% - 85% (non-condensing)

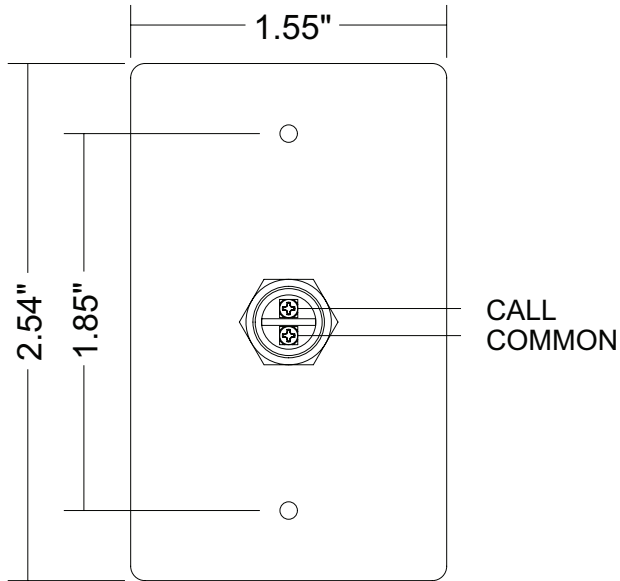
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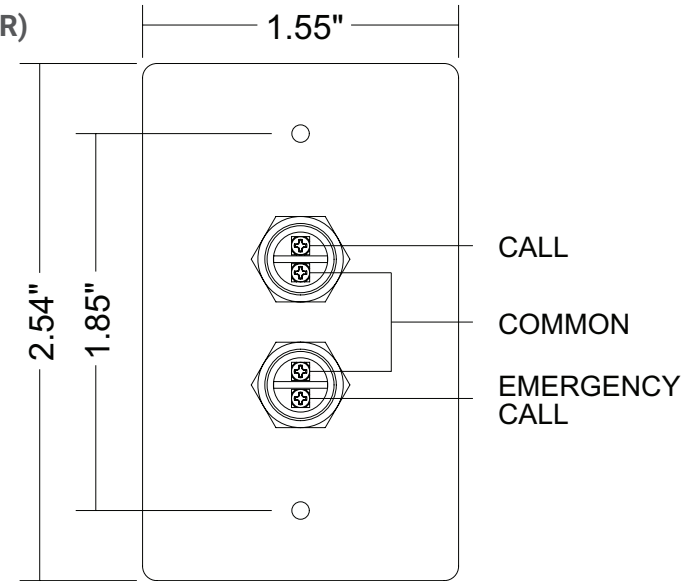
MODEL	CS-D30-IP
Electrical	
Power Input	External 1k – 20k pullup to 3.3 Vdc – 12Vdc (absolute max 13.2Vdc)
Call-in	2 conductor pigtail, blue (+ input) / black (common)
Emergency Call-in	2 conductor pigtail, yellow (+ input) / grey (common)
Idle Pressed	> 1 MOhm* < 100 mOhm for > 1 sec (worst case at 3.3V input)
Recovery	< 1 sec (worst case with 20k pullup)
Mechanical	
Dimensions	2.80 X 4.55 X 0.64 (71.2 X 115.6 X 16.3)
Weight	2.82oz (80g)
Material	Stainless Steel Plate
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temperature	Normal: 10°C to 49°C Non-operating limits: -25°C to 70°C
Humidity	5% to 85% (non-condensing)

PSP-0069-000

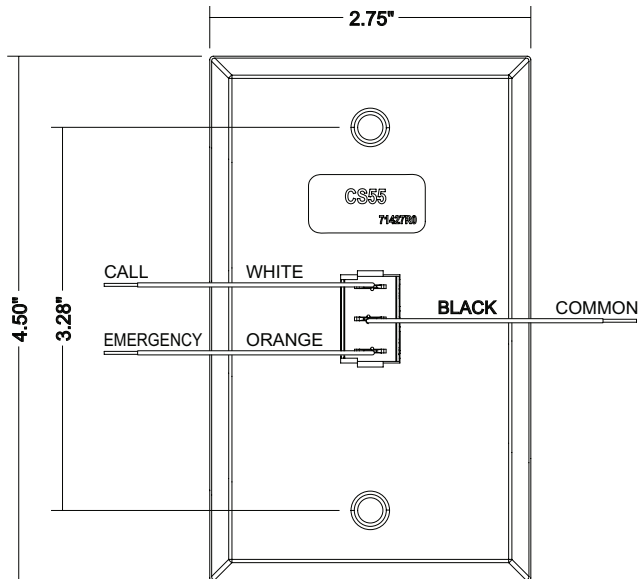
CS-E(-FR)



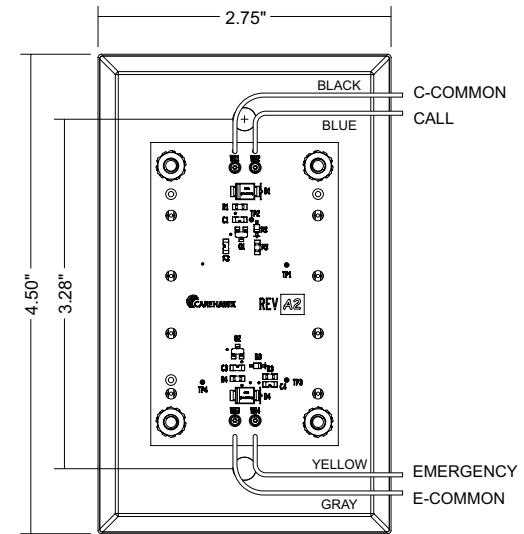
CS-CE(-FR)



CS55



CS-D30-IP



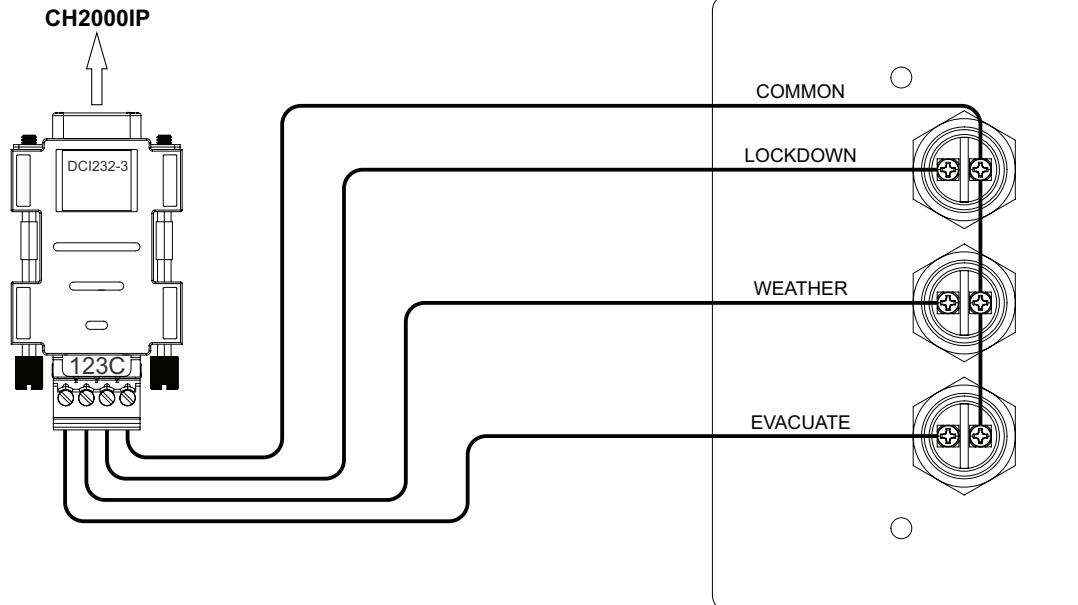
EACH CIRCUIT HAS AN INDEPENDENT COMMON

The AS-3B-LWE(-FR) Alert Station has three alert buttons to initiate a lockdown, weather alert, or evacuation.

Construction consists of three tamper-resistant metal push buttons mounted to a single-gang steel plate.

- 3 Button - Lockdown / Tornado / Evacuate
- The weather and evacuate buttons can be configured for alternate alerts through CH2000IP server settings
- Single-gang
- Stainless steel cover plate
- Tamper resistant
- Works with the DCI232-3 (3-input contact module DB9). Included with the CH2000IP server.

Part Number	AS-3B-LWE(-FR)
Electrical	
Switch Contact	< 50mΩ, 36Vdc 2A Max
Ports	
Lockdown	2 screw terminals, normally open contact
Weather	2 screw terminals, normally open contact
Plate Material	2 screw terminals, normally open contact
Mechanical	
Dimensions	4.5" X 2.75" X 0.94" (114mm X 70mm X 24mm)
Weight	4.7oz (134g)
Plate Material	302/304 Stainless Steel
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temp	0°C to 50°C
Humidity	10% - 85% (non-condensing)

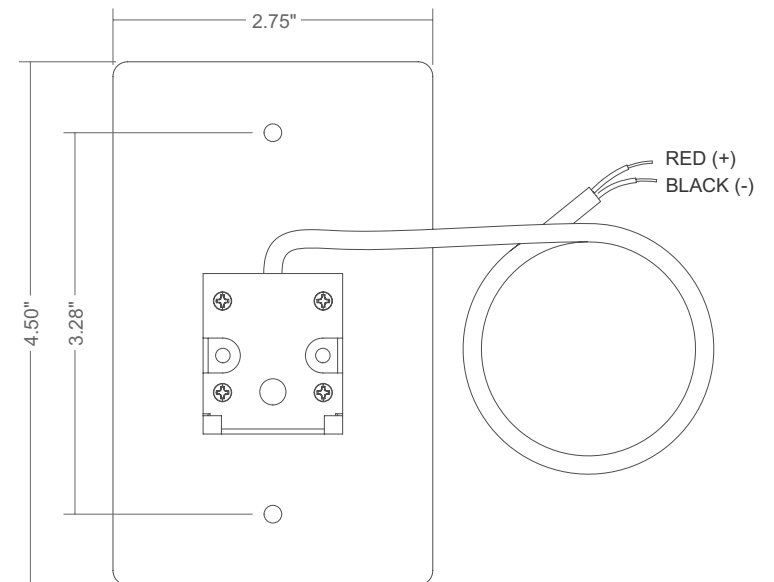


The GWMIC is a single-gang wall-mounted microphone with a temper-resistant stainless steel cover plate.

- Single-gang
- Stainless steel cover plate
- Tamper-resistant

Part Number	GWMIC
Microphone	
Microphone	2-wire electret
Standard Working Voltage	3 V
Max Voltage	10 V
Output Impedance	2.2 kΩ
Wire Length	4.9' (1.5m) included / Maximum: 50', 24-26 AWG twisted pair or 2-conductor shielded ¹
Effective Range (with GW2WIP1)	3' (typical), normal speaking voice
Mechanical	
Dimensions	4.5" X 2.75" X 0.5" (114mm X 70mm X 13mm)
Weight	
Plate Material	302/304 Stainless Steel
Mounting	Qty 2, 6-32 machine screws (included)
Environmental	
Ambient Temperature	0°C to 45°C
Humidity	10% - 85% (non-condensing)

¹ Wire should be routed away from other power and communication cables to minimize interference





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