



# WAVE™ ADVANCED DESKTOP COMMUNICATOR

## FEATURE RICH COMMUNICATIONS CONSOLE FOR INDUSTRY STANDARD PCs, OFFERING HIGH CAPACITY CHANNEL MANAGEMENT WITH ON-THE-FLY CHANNEL PATCHING

The WAVE Advanced Desktop Communicator is a powerful software application designed to provide many of the capabilities associated with dispatch consoles deployed for mission-critical public safety, military and critical infrastructure organisations.

Using an industry-standard desktop or laptop computer and a microphone-equipped headset, the Advanced Desktop Communicator lets an operator create and manage a large number of communications

channels, create and tear down patches, manage user access to channels, access radio alarms and use unit IDs to identify individual radios and users.

The Advanced Desktop Communicator connects to a WAVE Management Server for security and configuration, a Registrar for telephony, any number of Channels for communication, and through those Channels to other users who may be using other WAVE desktop or mobile applications.



#### **IT'S 100% SOFTWARE**

Advanced Desktop Communicator is the only true softwareonly communications console solution on the market today. There is no sprecialised hardware requirement other than a Windows-based PC, and it can be used anywhere there is a network connection.

#### **DESIGNED FOR SCALABILITY**

Build as large a communications dispatch function as your organisation requires with no restrictions on scalability. Whether you need one or one hundred positions, located wherever you need them, Advanced Desktop Communicator gives you the ability to communicate with your teams anywhere in the world on as many radio talk groups, telephone connections or mobile devices as you need.

#### **FEATURE RICH**

Advanced Desktop Communicator provides nearly all of the expected communications console functions that military, public safety, government and commercial enterprises require. Multiple radio channels, telephone calls and other communications systems can be patched together with just a few clicks of a mouse. Activity displays, audio recording and instant replay give operators a complete session history for archiving and audit trail purposes

#### **ENHANCED DISPLAY OPTIONS**

Advanced Desktop Communicator allows you to add other applications to your console environment via optional pop-up panels that can be used to provide capabilities such as mapping, CCTV, etc. Text messaging between multiple WAVE consoles and other WAVE-enabled applications improves situational awareness and operator effectiveness.

#### **IDEAL FOR DISASTER RECOVERY**

Organisations can deploy, redeploy and provision instantaneous back-up services using the Advanced Desktop Communicator. Whether operating from pre-configured locations or from unprepared sites, operators can manage communications services from any location with an available IP connection.

### CONNECT WITH OTHER WAVE APPLICATIONS

Advanced Desktop works with all our WAVE Communicators including Mobile, Desktop, Web, SharePoint and Lync Communicators, giving our customers the broadest range of options for managing communications between the communications centre and the field in the most cost-effective manner possible.

#### **DATA SHEET**

#### WAVE WORK GROUP COMMUNICATIONS: ADVANCED DESKTOP COMMUNICATOR

Patch/Conference (radio-telephone)

| RADIO FUNCTIONS                       |           | SYSTEM FUNCTIONS  |                        | IT INTEGRATION                           |                                     |              |
|---------------------------------------|-----------|---|------------------------|--|-------------------------------------|--------------|
| Transmit (PTT)                        | ✓         | Touchscreen   | ✓                      | IP Network Integration                   | on                                  | 4            |
| Transmit All (broadcast)              | ✓         | User Configurable GUI   | ✓                      | Integration with Unified Comms Platforms |                                     | <b>4</b>     |
| Instant Transmit                      | ✓         | Status & Presence   | ✓                      | ✓ Supports IP Multicasting               |                                     | <b>4</b>     |
| Monitor                               | ✓         | Location Mapping option ✓ Multio  |                        | Multicast & Unicast I                    | Multicast & Unicast Bridging        |              |
| Select                                | ✓         | Console-to-Console Intercom   |                        | Domain Interoperability (Federation)     |                                     | <b>4</b>     |
| Simul-Select                          | <b>✓</b>  | Console-to-Field Text Messaging   |                        | Active Directory Support                 |                                     | <b>4</b>     |
| Maximum Channels / Talkgroups         | Unlimited | 3rd Party Video Support ✓ End-to-End Encryption   |                        | n  | ✓                                   |              |
| Maximum Remote No. Users              | Unlimited | Emergency / Alarms  |                        | Web-Based Management Tool                |                                     | 4            |
| Group or Private Calls                | <b>✓</b>  | TX/ RX on Multiple Channels   |                        | Monitoring & Reporting                   |                                     | ✓            |
| Per Channel Volume Controls           | <b>✓</b>  | Audio Routing Between Headset & Speaker   |                        | Dynamic Updates                          |                                     | ✓            |
| Mute / All Mute                       | <b>✓</b>  | Master Volume Control   |                        | System Security                          |                                     | <b>√</b>     |
| Per-Channel Call History              | <b>✓</b>  | VU Meter  | <b>4</b>               | -  |                                     |              |
| Pre-Defined, Configurable Alert Tones | <b>✓</b>  | Instant Recall Recorder (IRR)   | <b>✓</b>               | OTHER                                    |                                     |              |
| Dynamic Group Creation                | <b>✓</b>  | Long-Term Recording   |                        | Supported CODECs                         |                                     | 23           |
| Channel Cross-Mute                    | <b>✓</b>  | Per-Console Call History  |                        | Remote Dispatch via VPN                  |                                     | <b>✓</b>     |
| Patch (radio-radio)                   | <b>✓</b>  | Status Messages   | ages ✓ End-to-End VoIP |  |                                     | <b>✓</b>     |
| PTT ID/Alias                          | <b>✓</b>  | Auxiliary I/O controls ✓  |                        | Custom Hardware Required                 |                                     | None         |
| Instant Call Dialing                  | <b>✓</b>  | Group Text With Other WAVE Applications   Max Positions Supported   |                        | rted                                     | Unlimited                           |              |
|                                       |           |   |                        | Remote Access ("disp                     | patch from anywhere")               | <b>√</b>     |
| TELEPHONY FUNCTIONS                   |           | RADIO SYSTEM INTEGRATION  |                        | Certifications                           |                                     | US Army JITC |
| PBX Integration                       | <b>4</b>  | Gateway Interfaces Mul  | tiple                  |  |                                     |              |
| Maximum No. of Lines                  | 8         | Data Interfaces ASTRO 25, MOTOTRBO  |                        | SYSTEM REQUIREMENTS                      |                                     |              |
| Conferencing                          | <b>✓</b>  | Radio System Support  |                        | Operating System:                        | Windows 8 / 8 1                     |              |
| Memory / Speed Dial                   | <b>✓</b>  | Motorola ASTRO 25 with ISSI wireline interface<br>Motorola ASTRO 25 and TETRA with MOTOBRIDGE<br>wireless interface<br>Motorola MOTOTRBO with wireline interface<br>Other vendor Project 25 (P25) and non-P25 systems<br>with MOTOBRIDGE wireless interface |                        | oporating dyotom.                        | Windows 7 Enterprise 32Bit or 64Bit |              |
| Answer / Release                      | <b>✓</b>  |   |                        | Java Runtime:                            | 1.6.0 or above                      |              |
| Mute                                  | <b>✓</b>  |   |                        |  |                                     |              |
| Hold                                  | <b>✓</b>  |   |                        | CPU:                                     | 2.0 GHz x-86 based processor        |              |
| Set busy status                       | <b>✓</b>  | P25 ISSI, FSI, CAI  | <b>-</b>               | Internal Memory:                         | 1 GB RAM                            |              |
| Call Forward / Transfer               | <b>✓</b>  | Tone / SELCAL Control   | -                      | Available Storage:                       | 200 MB                              |              |
| Last number redial                    | <b>✓</b>  | DTMF, 2-Tone Paging   | -                      | Network Interface                        | 100 Mbps ×                          |              |
| Caller ID/alias                       | <b>✓</b>  | Voting  | <b>4</b>               | Controller:                              | -11                                 |              |
|                                       |           | · <del></del>   |                        | -  |                                     |              |

Morse Code

Peripherals

2 speakers, 1 microphone



#### **ADVANCED DESKTOP COMMUNICATOR IS AVAILABLE WITH WAVE 5000**

WAVE 5000 can help you build a more connected and manageable PTT communications environment. From two-way radios to smartphones, laptops to landlines, tablets to rugged handhelds, your personnel can use the devices they already have and the networks they already subscribe to and PTT with other teams and individuals both inside and outside of your organization.

Networks: Public or Private 3/4G LTE data network, WiFi, enterprise LAN/WAN

Devices: Android and Apple smart devices, custom handhelds like the Motorola LEX L10, PCs, desktop phones

WAVE PTT Applications: WAVE Mobile Communicator

WAVE Advanced Desktop Communicator

WAVE Desktop Communicator WAVE Web Communicator

WAVE Communicator for Microsoft Lync WAVE Communicator for Microsoft SharePoint

Radio Integration(s): Motorola ASTRO 25 with ISSI wireline interface

Motorola ASTRO 25 and TETRA with MOTOBRIDGE wireless interface

Motorola MOTOTRBO with wireline interface

Other vendor Project 25 (P25) and non-P25 systems with MOTOBRIDGE wireless interface

Capacity: Up to 3,000 end-points

To learn more about WAVE Advanced Desktop Communicator, contact your Motorola representative or visit **motorolasolutions.com/WAVE**.

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