

Slide 1


Tech Works
Integrated Messaging & Reporting
IMR
Technical Training Part 2
Parts & Wiring
Mark Dundas



Slide 2




About IMR Technical Training

- Who is the Audience for this training?
 - Anyone that will be designing or installing the Tech Works IMR
 - Basic understanding of modern healthcare communication products and previously learning **Tech Works CC2 and NC products** is assumed
- What is the Structure of the training?
 - There are 3 slide shows, narrated by Mark Dundas of Tech Works
 - Part 1 Product / System Overview
 - Part 2 Parts and System Wiring
 - Part 3 System Programming
- Presentation Guide Handout to follow along and take notes
- Certification Test for Installers that want to be Tech Works Authorized




Slide 3

Add an IMR and Share Relevant Information



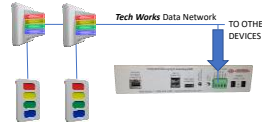
- Text Messaging
 - Custom text from each point (button)
 - Any phone, Any carrier
- Pocket Page
- Tablets
- Digital Signage



Slide 7

What is an IMR? (Integrated Messaging and Reporting)

- Custom built Computer in a box
 - Doesn't do much unless you invest in programming it
 - Program it to Talk to the World
- In a Clinic with Room Status or a Nurse Call System
- The CC-Series and NC-Series devices are connected on a proprietary network known as the **Tech Works** Network
- Connect the **Tech Works** Network to the IMR
- The IMR Learns what is connected and Logs every Button Push / Light

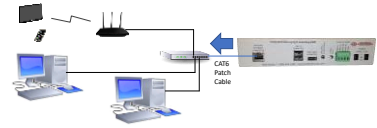


The diagram shows a central 'Tech Works Data Network' box connected to two 'Tech Works' devices (one CC-Series and one NC-Series) on the left. A blue arrow points from the network box to a larger 'IMR' device on the right, labeled 'TO OTHER DEVICES'.

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What is an IMR? (Integrated Messaging and Reporting)



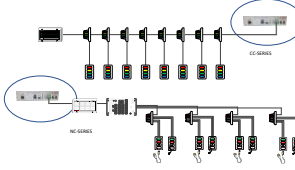
The diagram shows a central 'IMR' device connected to a 'Local Area Network' (LAN) via a 'CAT5 Patch Cable'. The LAN includes a computer, a printer, and a wireless router.

- Connect to the Local Area Network
- That is all there is to sharing your data with the world

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IMR Hooks to CC or NC Tech Works Network



The diagram shows an 'IMR' device connected to a 'Tech Works' network. The network consists of a central hub connected to multiple 'CC-Series' and 'NC-Series' devices. The IMR is connected to the network via a '2 Twisted Pair Network'.

- Connects directly to the Annunciator Loop
- CC2 System
- NC System
- Or Both at the same time
- 2 Twisted Pair Network
 - Transmit/ Receive Pair
 - +/- Power Pair
- 24 Volts DC Power

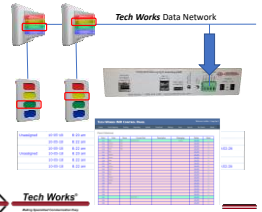
Just Plug It In

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How IMR Learns

- As soon as the IMR is connected and powered up it starts listening to the Network
- Each time a button is pushed an "Event" is created and logged in the Database with Time & Date
- A device is added to the "Point Map", the systems learns what is connected.



Event	Time	Date	Device
1	10:00:00	10/10/10	1000000000
2	10:00:01	10/10/10	1000000000
3	10:00:02	10/10/10	1000000000
4	10:00:03	10/10/10	1000000000
5	10:00:04	10/10/10	1000000000
6	10:00:05	10/10/10	1000000000
7	10:00:06	10/10/10	1000000000
8	10:00:07	10/10/10	1000000000
9	10:00:08	10/10/10	1000000000
10	10:00:09	10/10/10	1000000000

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Custom Displays and Digital Signage

- All Display Screens are HTML
 - Web Pages
 - Any Browser is a Display
 - Any device with a Browser is a Display or a Terminal (Depending on User)
- Default Display is "List Mode"
- Built In Option is "Bubbles"
- Custom Graphics Displays
 - Send us a JPG of your Display
 - Send us the Point information
 - Address
 - Location
- If you add a Touch Panel you can even add Buttons



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Sales and Estimating an IMR

- IMR takes time and knowledge to fully implement
- Systems can get very large and complex
- Customers can require significant follow up and Adds, Moves, and Changes
- Getting a professional outcome requires planning
 - Clean JPGs for Graphics
 - Proper Documentation of Point Mapping and Device Location
- Always allow time for Discovery
- Allow Tech Time for proper setup and testing
- Read the IMR System Guide and keep it handy throughout the project

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Tools to help you

- Online 24/7 X 365 www.TechWorks-USA.com
- Product Brochures
- Specifications for Architects & Engineers
 - Available on the website (specs and data sheets)
 - Custom specs written by request
- Design/Quoting assistance
 - Questionnaires to support the process
 - Design review
 - Quote development on solutions
 - Margin
- Technical Assistance
 - Training and Installation Manuals
 - Tech Support – Engineering and Field



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Making Specialized Communications Easy

Up Next Part 3 Programming



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