

## G5 and XT-1 Recommended Training List

### Overview:

If a dealer or technician wishes to learn and understand the installation and maintenance of the G5 and XT-1 systems this is the suggested learning process. 3M has extensive documentation which will provide a tech with everything they might possibly need to know about this system. The information is technical and might be a bit tedious, but it is complete and very helpful. Information not contained in the manuals is covered in the technical bulletins also listed.

This training map is put together as a step by step process with several different resources included in the process.

### Suggested Learning Process:

1. Read the G5 / XT-1 Installation Manual. [3mtm-drive-thru-headset-installation-manual.pdf](#)
2. Read the G5 / XT-1 Operations Manual. [3mtm-drive-thru-headset-xt-1-operating-instructions.pdf](#)
3. Watch the training Webinar. [G5 Training Webinar with Advanced Diagnostics](#)
4. Read the Technical Bulletins.  
<http://gpimmediacollections.3m.com/dmrweb/servlet/Album?albumId=368634>
5. Review the “3M G5 Drive Thru Product Training Sheet”. It will have some videos and other information you might find helpful. Sent with this email.
6. Download and install the **3M COSMO App** for iOS (Apple) or Android systems. This app will have access to all the above information except the Webinar.

### Critical Installation Areas: (Focus on these areas in the documentation for Review of your Learning)

1. Detection
  - Soldered Connection at post, no connection of shield
2. Speaker, Mic, and Cable TB #157
  - Installing the mic correctly – Floating
  - Installing the speaker correctly – Sound deadening and isolation from mic
3. Pulling cable
  - Always use new cable
  - One continuous run of cable
  - Don't parallel high voltage lines or strap to them
  - Suspend wire in ceiling – cannot lay on grid
  - Leave some extra above the base station



4. Connecting Cable  
In COSMO Under - Speaker Post – “Duplex Menu Cable Installation Instructions”
  - Cut and protect all Shields at the post
  - Solder all connections and protect at the post
  - Connect Mic shield at base
  - Do NOT connect speaker shield at the base
  - Loop Shield does not need to be connected at base
  
5. Base Station Installation Manual
  - a. Single Lane
    - i. Choosing the base station location (Critical!)
    - ii. Connecting the power – 2000 Joules power strip
    - iii. Settings (Know the settings) Installation Manual p.39

1. Volume	4. Registration
2. Monitor	5. Noise Reduction
3. Night	6. Set Time & Date
7. Global Settings	10. Site Scheduling
8. Headset Setup	11. Site Information
9. O.T. Modes Setup	12. Self-Monitoring
13. Change Passcodes	Use this link to learn your way around!
14. Installer Setup	<a href="http://customusic.com/xt1sitemap.html">http://customusic.com/xt1sitemap.html</a>
15. Factory Setup	
  - b. Dual Lane Installation Manual
    - i. Wire the connections between bases as diagramed
      1. Interbase 1 = 4 Conductors, 2 In go to Out etc..
      2. Interbase 2 = In go to Out keep polarity, UART Tx to Rx Ground to Ground switched
      3. Settings
        - a. Global = Learn these settings
        - b. Installer Settings = Critical Information
  
6. Headsets
  - a. G5 Features and Benefits COSMO Video
  - b. G5 Headset Assembly COSMO Video
  - c. G5 Headset Registration COSMO Video
  - d. G5 Headset Operations COSMO Video
  - e. G5 Charging Station COSMO Video
  
7. Greeter Operations Manual
  
8. Range extending antenna Installation Manual



9. External Timer Connections
  - a. NEVER make any connection of external timer equipment to the left side of the XT-1 Base stations, NEVER to Outbound Audio. TB# 163
  - b. All XT-1 connections must be made to the Relay bank and no other location
  - c. G5 connections must be made to the Relays or to the GPIO connections.
    - i. G5 Note: GPIO's are not active until you navigate out of the menu.
  
10. Checklists
  - a. Pre-Installation Find this in COSMO, Very helpful list.
  - b. Installation Find this in COSMO, Very helpful list
  - c. Store Manager Training Find this in COSMO, Very helpful list



Welcome to the testing for 3M Certification. The required passing percentage is 80%. Please note that questions have a variation of points assigned based on the importance of the question. Be sure to fill in the first 3 questions to receive full credit for taking the quizzes. Please read the quiz instructions below carefully before opening each quiz.

There are two types of questions. Those with a circle will have only 1 correct answer. Those questions with a square will have 1 or more items needed to make a correct answer. Choose all that apply by selecting the appropriate squares. If you choose an incorrect answer or leave a correct answer open that question will be marked as wrong. When you finish the quiz you will be given the key with your answers and an indication of which questions you missed.

QR Code for Quiz #1 covering Speaker Post, Detection, and



[Take Quiz 1](#)

QR Code for Quiz #2 covering Base Station Settings



[Take Quiz 2](#)

QR Code for Quiz #3 covering Dual Lane Installations



[Take Quiz 3](#)

QR Code for Quiz #4 covering Headsets, Batteries, Charger



[Take Quiz 4](#)

