3M™ Drive-Thru System, G5 Specifications

System

Operation	Full-Duplex or Half-Duplex
Vehicle Detector	Presence or Pulse
Dual Lane Operation	Split or Cross lane control
RF Frequency	Base Transceiver - 2.4 GHz, ISM Band, and Digital Spread Spectrum
Data Rate	576 Kbits/s

3M™ Drive-Thru Basestation, G5

Operator Controls	Keypad
External Indicators	LCD Display 4 x 40 characters
Power Source (PS)	Power Supply — Output: 12 VDC, 7 Amps Input - 100 to 240 VAC (50/60 Hz.)
Power Consumption	Nominal 8W. Fully loaded Max 84W
Size	16 3/4" L x 11-1/2" W x 2-1/4" D
Mounting	Wall mount with screws
Audio Power Output	Outside speaker 5 watts, monitor speaker 3 watts (<2% THD) into 8 Ohms
Microphone Input	Dynamic type low impedance
Vehicle Detect Input	Contact closure to Ground, Active low
Noise Reduction	Internal
Echo Cancellation	Internal
Language Support	English, Spanish, French Canadian, German
Internet Connectivity	Standard Ethernet (Remote adjustments and diagnostics) HTTP RX
Internal Accessories	Accommodates loop detectors (2)
External Accessories	External Range Extender
Cross Lane Module	Internal (Standard)
Messages	Built-in Greeter Module; Standard — Store Closed, Please Pull Forward (Tandem)
Maximum RF Output Power	+20 dBm (100 mW) (Model G5B1) FCC/CE

3M™ Drive-Thru Headset, G5

Microphone	Electrical type, directional/noise canceling
Earphone	Dynamic with replaceable ear pad
Operating Frequency	2.4 GHz
Maximum RF Output Power	+23 dBm (200 mW) (FCC Model G5H1) +20 dBm (100 mW) (CE Model G5H1)
Power Source (PS)	Rechargeable Lithium-ion battery with short circuit protection 3.7 VDC. 800mAh
Weight	3.98 oz. (112.9 grams) with battery
Switches	Capacitive touch key zones
Indicator	Red, Green, and Blue LED
Typical Operating Range	300m outdoors, 50m indoors
Operating Temperature	-10 °C to 55 °C

3M™ Battery, G5

Battery Type	Rechargeable Lithium-ion battery with short circuit protection
Dimensions	2-1/4" L x 1-3/4" W x 5/8" H
Power Consumption	Less than 25 Watts
Weight	0.054 lb (24.49 grams or 0.86 oz)
Indicators	4 green LEDs

3M™ Drive-Thru Headset Battery Charger, G5, 12-slot

Power Source (PS)	Power Supply - Output: 12 VDC, 7 Amps Input - (100 to 240) VAC 50/60 Hz.
Charging Time	3-3.5 Hours
Dimensions	5-1/2" L x 6" W x 2" H
Number of Charging Ports	12
Power Consumption	Less than 25 Watts
Weight	0.75 lb (340.19 grams or 11.99 oz)

3M™ Drive-Thru Headset Charging Station, G5

Power Source (PS)	Power Supply - Output: 12 VDC, 7 Amps
(PS) Input	(100 to 240) VAC 50/60 Hz.
Charging Time	3-3.5 Hours
Dimensions	17-1/2" L x 3" W x 2-3/4" H
Number of Charging Ports	5
Number of Charging/Storage Ports	5
Power Consumption	Less than 25 Watts
Weight	1.35 lb (612.34 grams or 21.6 oz)

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3M™ Drive-Thru System G5 Features and Benefits

3M™ Drive-Thru Basestation G5

Feature	Benefit
Smaller, updated base cabinet	With a cabinet that is 17% smaller than the Model XT-1 Basestation, less wall space is needed. New color, look and feel compliments the G5 Headset System.
Dual lane in one basestation	With dual lane functionality in a single base, stores will save precious wall space and reduce their drive-thru equipment cost.
Easy software upgrade to move from single lane to dual lane	Upgrade your drive-thru from single to dual lane with a simple software upgrade; no need to purchase a new basestation which saves you money and time.
Improved operating system	Upgraded electronics improves the component sustainability and enables future capabilities for inputs, outputs and computational power.
Built-in Greeter	The Greeter module comes standard in the G5 Basestation and offers more memory and more options. Offers the opportunity to increase profitability through up sell promotions and increase operational efficiency with reminder messages.
Improved messaging capability	You can record up to 16 greeter, alert or reminder messages, each up to 10 seconds in length.
Fully Backwards Compatible	The G5 Basestation works with both the G5 headsets and the Model XT-1 headsets.
Short-cut keys from the main menu	From the main menu, you can quickly and easily register your headset (left arrow key) and record greeter, alert or reminder messages (right arrow key).
Improved Menu Post Components	An upgraded microphone in-foam block correctly positions the microphone for optimum sound at the menu post. The new speaker is completely sealed to eliminate off-axis sound and echo. The result is enhanced sound clarity and quality that is more realistic and closer to the human voice resulting in improved order accuracy and customer satisfaction.
16 Individually assigned GPIO (General Purpose Input Output) ports	Allows signals to be fed into the G5 system to activate other devices used in the restaurant such as timers, security cameras/doors, coolers/refrigerators, etc. System will play an alert message in the headset when there is a switch or closure from one of these devices. Future opportunities to interface with other equipment such as POS system, beverage dispensing system or fryer equipment to trigger service or cooking alert messages.

3M™ Drive-Thru Headset G5

Feature	Benefit
On-site service-ability	The modular design of the G5 headset allows the ability to quickly remove the battery, detach the Control Pad from the Carrier and replace with a new Carrier in seconds. Replacing only the effected component when needed, in store, helps reduce the total cost of ownership. A headset that NEVER has to leave the store.
Improved Headset Reliability	The G5 headset has a steel headband with an over molded polymer to increase durability. Capacitive Touch buttons provide fewer moving parts and an Accelerometer removes the need for an on/off switch. All these features provide increased reliability.
Light Weight	At 3.95 oz., the G5 is a 19% lighter in weight providing increased comfort and fit.
Improved Comfort	Lighter weight, capacitive "feather" touch buttons, and adjustable headband with pivot provides contour fit and increases comfort for all shapes and sizes of head.
Haptics "feel" Technology	Provides a small vibration when control buttons are lightly touched to allow feather-touch operation and increase user comfort. Additional vehicle presence haptics can be turned on to allow user to feel haptics vibration regardless of where headset is being worn (on head or around neck).
Easy to Use Buttons	Globally accepted icons help with ease of use and training since they are easy to identify. Feather touch buttons eliminate pressing into the head.
Indicator Lights on Microphone Boom	Lights indicate lane assignment, active talk and call answer status to help to improve team performance. Flashing blue lights indicate a customer has arrived at the menu post, so you never miss an order.
Accelerometer	Eliminates the need for an on/off button. The headset will go into a sleep or hibernation mode without motion after 5 minutes and "instant on" upon movement. Conserves and saves battery charge and life.

3M™ Drive-Thru Systems

Feature	Benefit
Battery Fuel Gauge Indicator	Push-button fuel gauge lets you know how much battery charge is left so you know when it's time to recharge the battery.
End of Battery Life Indicator	Provides a visual indicator to identify when the battery's useful life is ended and the battery should be recycled.
OEM Authentication	Prevents counterfeit Batteries, Carriers, and Control Pods from being used in repairs outside of 3M's OEM standards.
Integrated Headset Storage and Battery Charging Stations	The integrated G5 headset storage and battery charging station lets you charge up to 5 headsets while they're being stored. Removing the battery is optional, eliminating steps to charge while improving productivity and inventory control.
Identification Tags	Colored ID tags in the pod and the carrier can now identify headsets, assign to team members for more ownership and tie them to reminders and alert message for specific headsets. ID tags also attend to hygiene concerns.

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3M™ Drive-Thru System G5 Frequently Asked Questions

1. Do the G5 Headsets work with my the new G5 Basestation and the Model XT-1 Basestation?

Yes, the G5 Headsets are compatible with both the digital 3M™ Wireless Communication System, Model XT-1 Basestation and the new 3M™ Drive-Thru Basestation G5. They are not compatible with the 3M analog Basestation (C1060) or any other manufacturer's base station.

2. Will my 3M™ XT-1 headsets work with the 3M™ Drive-Thru Basestation G5?

Yes, however, any XT-1 headsets older than v5.13 should be upgraded to enable all Basestation features (ie: greeter messaging). Check with your 3M dealer on your version and getting an upgrade. All versions of G5 Headsets will work with the G5 Basestation.

3. Does my existing 3M™ Wireless Communication System, Model XT-1 Basestation need a software upgrade to work with the G5 Headsets?

All XT-1 Basestations sold with the G5 Headset Systems come pre-loaded with the software to enable the G5 headset features. If you purchased your XT-1 Basestation with an XT-1 Headset System, you will need to upgrade the software on your XT-1 Basestation in order to utilize all the features of the G5 headset. Contact your 3M dealer to get this software upgrade.

4. Can I use a mixture of 3M XT-1 and G5 Headsets with my Basestation?

Yes, you may use a mixture of both models of headsets with both the G5 Basestation and the Model XT-1 Basestation.

5. What is the small vibration I feel when I press buttons on my G5 Headset?

You are experiencing the haptics "feel technology" feature. Haptics is related to the reflex of touch, a non-verbal communication to the headset wearer that the button touched was successfully engaged.

6. How do I set my order taking modes with the G5 Headsets?

Order taking modes carry over from the basestation settings. Headsets do not impact these modes.

7. Where is the ON/OFF switch on the G5 Headset?

The G5 Headset automatically turns off when placed in a stationary position. With a battery in the headset, it will turn on automatically with movement.

8. What is 3M OEM Authentication?

Built in functionality that ensures only 3M genuine parts are used with your G5 headset. Genuine parts help to provide you with quality, compliance, safety and reliability which can be compromised when non-genuine parts are used.

9. Can I adjust my headset for a better fit?

Yes, please refer to Operating Instructions on the QR code site qr.3m.com/drivethru or the G5 headset training videos at 3M.com/G5.

10. On my G5 headset I see two serial numbers: one on the carrier and one on the control pod. Which serial number registers on the Basestation?

The control pod is the brain of your G5 headset and is the primary serial number of your headset which will register on both the G5 and Model XT-1 Basestations.

11. Do I need to purchase a Greeter Module in order to create Greet, Reminder and Alert messages on the G5 Basestation?

No, the Greeter module is built into the G5 Basestation. See the Quick Reference Guide for activating and creating messages.

3M™ Drive-Thru Systems
3M™ Drive-Thru Systems

12. With the built-in Greeter, am I limited to the number of Greeter, Alert and Reminder messages up to 8 seconds in length like in the XT-1 Basestation?

No, the Greeter in the G5 Basestation allows up to 16 messages that can be up to 10 seconds in length and configured in numerous ways (a mix of greeters, alerts and reminders).

13. How do I record Greeter, Reminder and Alert messages with the G5 Basestation?

You have two options. From the main menu, the RIGHT Arrow key is a short-cut to the Record Menu. Or you can navigate to the Greeter Menu and then the Record Messages Menu.

14. I am upgrading my drive-thru from a single lane to a dual or Y lane configuration. Do I need to buy a second G5 Basestation?

No. 3M sells a dual lane upgrade package that will allow dual lane functionality to be activated in the single lane Basestation. This upgrade package also comes with a speaker, microphone and cable for the second lane menu post.

15. Does the Audio (Inbound and Outbound) sound better with the G5 Drive-Thru System?

Yes, the G5 Basestation in combination with the new speaker and improved microphone will deliver superior sound clarity and clearer communication between the order taker and the customer.

16. Can I stream all audio from the G5 Basestation to my Security DVR system?

Yes, there are several ways you can stream audio to your DVR depending on which audio streams you want and how the G5 system is deployed.

17. Can I integrate my current backup system to the G5 Basestation?

The G5 Basestation does not have an integrated backup switch. In order to connect a backup system the G5 Basestation, you will need to purchase an external switch.

18. How do I activate my backup system with the G5 Basestation?

You will need to turn on the external switch to activate your Backup System. The G5 internal detectors will be down if the system is not powered.

19. Can I integrate my existing Omni and Patch Range Extenders with the G5 Basestation?

Yes, your current Range Extenders will work with the G5 Basestation.

20. Does the new G5 Basestation have the same range as XT-1 Basestation?

No. The G5 Basestation radio power is slightly lower at 20 dBM. In a restaurant setting, however, the radio range with the G5 Basestation may be very similar to the XT-1 Basestation. If you do not experience this radio range, you can extend the range by installing a Range Extender.

Commercial Solutions
3M Center, Building 220-12E-04
St. Paul, MN 55144 USA

Phone   1-800-328-0033
Web   3M.com/Drivethru

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