

# QSR Performance Solutions Drive Thru System - Installation Instructions

## What Is Included

- 1 — Base Station w/ 13.5 VDC power adaptor
- 1 — Programming station w/ 18" cable
- 1 — Microphone for inbound audio
- 1 — Speaker for outbound audio
- 1 Lot — Acoustic foam for speaker post
- Varies Per Order — Belt-packs w/ pouch
- 1 — Battery per Belt-Pack (w/1 additional battery when 4 or more belt-packs are ordered)
- Varies Per Order — Headsets (1 per belt-pack)
- 1 — Battery charger w/ 5 VDC power adaptor

## What Is Not Included

- Cable to connect Base to speaker post equipment (3 separately jacketed, shielded, twisted pairs, minimum 20 gauge stranded)
- Vehicle detection loop
- Optional grill speaker (8 ohms)
- Speaker post
- Conduit from inside restaurant to speaker post
- Miscellaneous hardware
- Tools

## Installation Steps

1. Begin charging batteries prior to installing system
2. Determine best location for Base
  - Needs electrical outlet (power adaptor has 6 foot cable)
  - Maintain 3 feet clearance from large metal objects and electrical or electronic equipment
  - Relative close proximity to drive thru booth(s) but avoid installing where base cannot be serviced without interrupting normal business operations
  - Be mindful of where conduit to speaker post terminates inside
  - Programming station connects to base with 18" cable and needs to be at a height and location that is accessible to restaurant employees
3. Install cabling from speaker post to Base location. 3 individually shielded, jacketed, twisted pairs, minimum 20 gauge stranded.
4. Mount Base and connect cables (keep power cable and transformer at least 6 inches from left side of Base)
5. Mount programming station within 18" of Base, and at an accessible height and connect cable
6. Mount vehicle detector and connect to Base, and to cable feeding to loop at speaker post
7. Install speaker and microphone in speaker post and connect cables, including connection to vehicle detector loop. Solder all splices.
  - **IMPORTANT!** Speaker and microphone inside of speaker post **MUST** be acoustically and mechanically isolated from each other **AND** the speaker post with foam rubber or an acoustic dampening material to insure quality audio performance.
  - In a typical speaker post the microphone would be mounted in the top section, closer to the person placing the order. The speaker should be at least 2 feet away from the microphone, typically mounted lower.

### **Installation Steps — cont.**

8. Make sure jumpers in Base are configured to match your installation (see Base Station Controls diagram)

- J1 & J2 — Separate speaker & mic or one device serving as both
- J4 — Detection type: closure or pulse
- J5 — Full-duplex or Standard (half-duplex)
- J6 — Full-duplex click suppression

9. Turn on power to base

10. Insert batteries in belt-packs and program per instructions on programming station

11. Connect headsets to belt-packs and test range, reception, audio quality, and volume

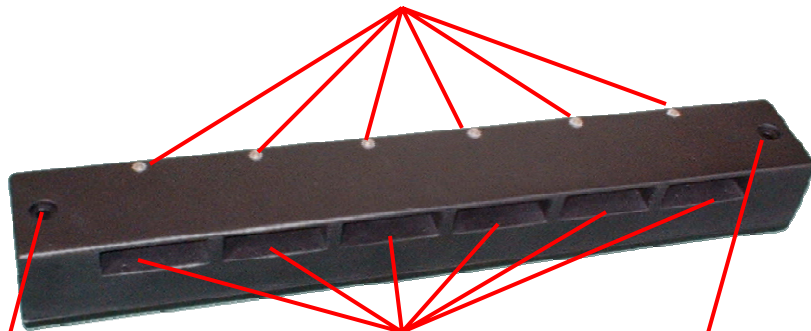
12. Adjust volume levels as needed

13. Test vehicle detection

14. Train restaurant employees and manager

## **QSR Drive Thru Solutions - Batteries & Charger**

**Charging Indicators — Will light red when battery is charging and change to green when battery is charged**



**Charging Ports for Batteries**

**Holes for Wall Mount Screws**

#### **NOTES:**

- Batteries are Lithium-Ion
- Batteries require about 3 hours to charge
- Batteries will hold a charge for about 8 to 10 hours during normal use
- When the battery voltage becomes too low, a short warble tone, occurring at five-second intervals is heard in the headset. After 2 minutes the headset will shut off.
- Batteries should be removed from belt-pack and stored in charger when not being used.

# QSR Performance Solutions - Base Station Front Cover Indicators & Controls

## Channel Indicators

Indicates which one of the eight channel frequencies is being used

## Talk Indicator

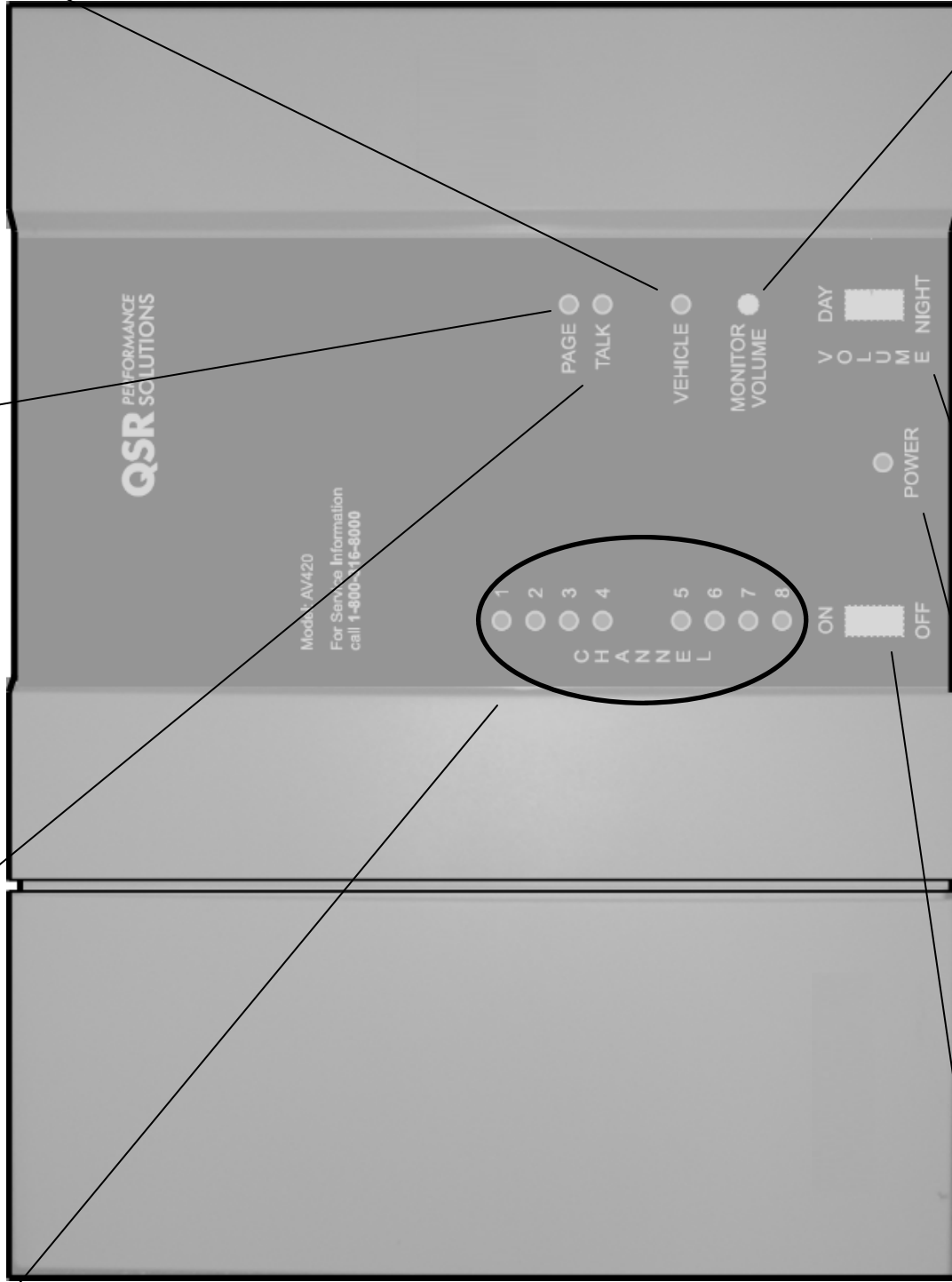
Lights when the Talk button is pressed on a belt-pack

## Page Indicator

Lights when the Page button is pressed on a belt-pack

## Vehicle Indicator

Lights when vehicle is detected at speaker post



## Power Switch

Used to turn power to base off & on. Turn off to enable optional wired backup if one is installed.

## Power Indicator

Lights when power is applied to base.

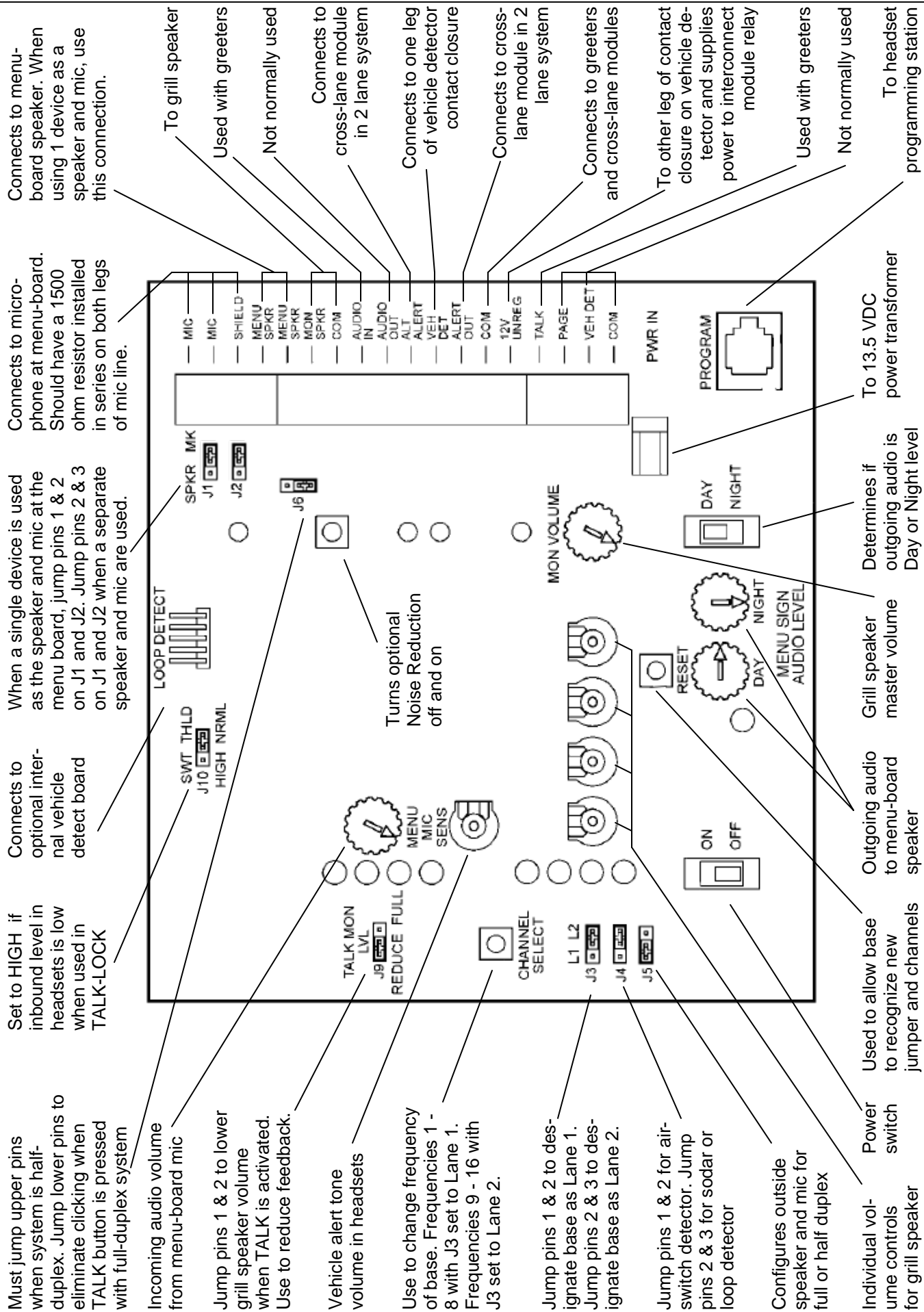
## Day / Night Volume Switch

Day position enables DAY outgoing volume control. Night position enables NIGHT outgoing volume control.

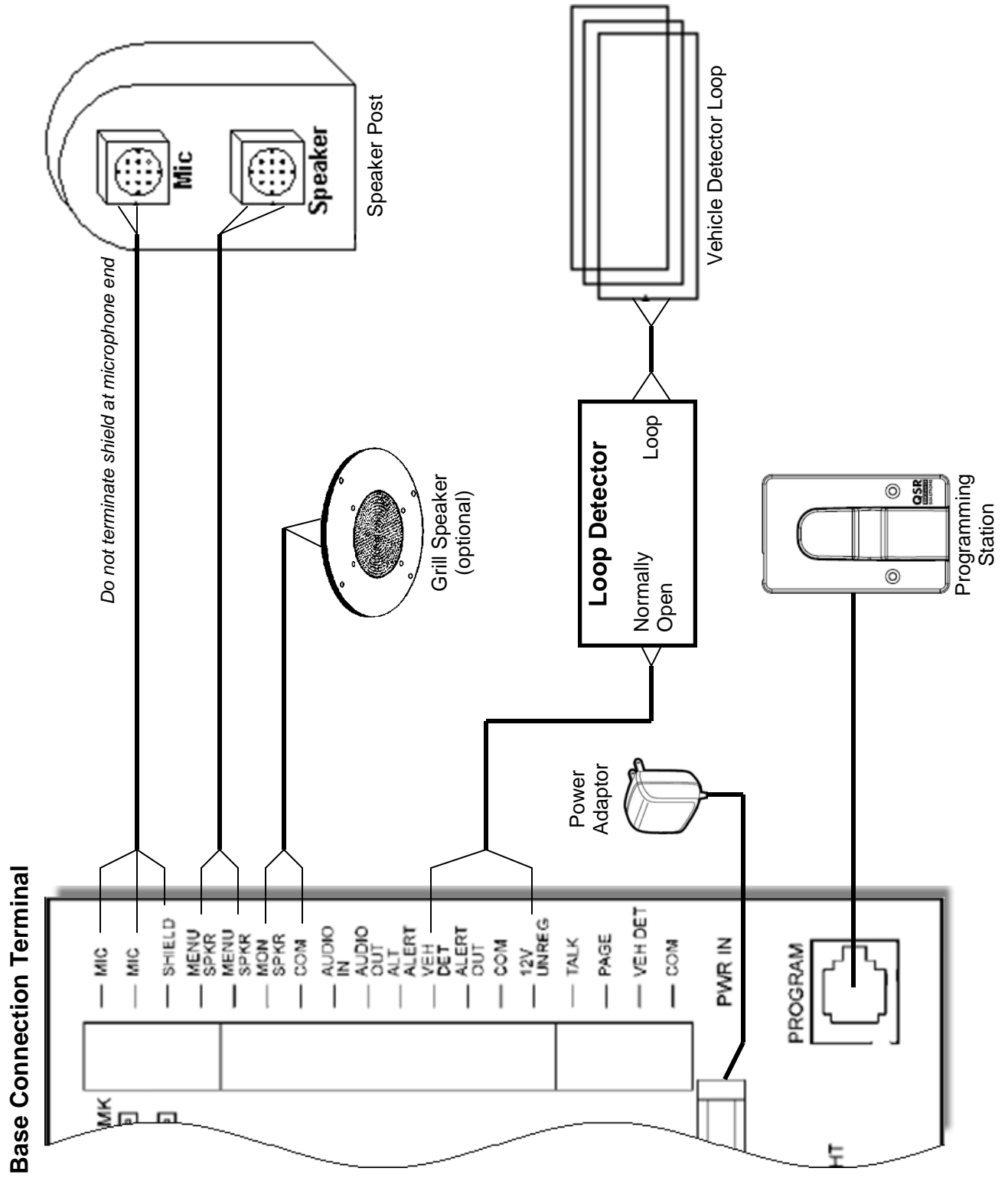
## Grill Monitor Volume

Adjusts the volume of the optional grill speaker

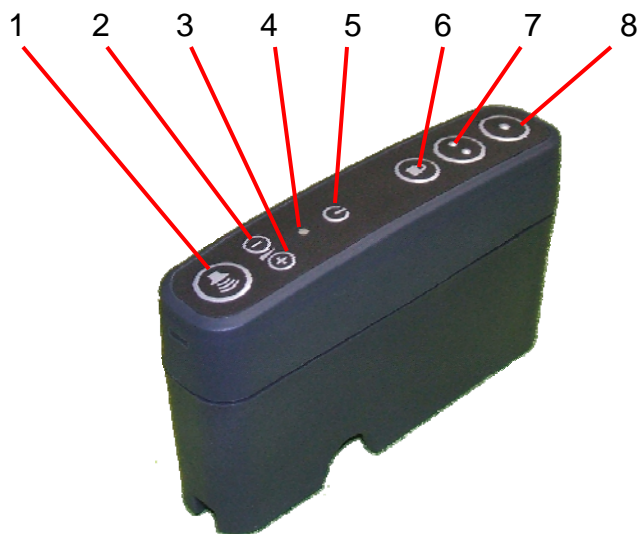
# QSR Performance Solutions - Base Station Controls



# QSR Performance Solutions - Connections To Base



# QSR Performance Solutions Drive Thru - Belt-Pack



**Bottom View**

## 1. Page

- Press to talk to the other headsets without being heard at the speaker post
- Belt-packs can be programmed for Page Monitor Mode, they will only hear communication from other belt-packs that are using the Page button and will not hear communication to or from the speaker post
- To program a belt-pack for Page Monitor Mode, hold Page button down while powering the headset on.
- To exit Page Monitor Mode turn the belt-pack off and back on

## 2. Volume Down

- Listening volume can be adjusted in 7 steps from the lowest to highest setting. When the belt-pack is powered on, the listening level will be near mid-level and can be adjusted 3 steps up or 4 steps down. A short tone will be heard each time the volume is adjusted. A long tone is heard when the lowest or highest level is reached.

## 3. Volume Up

- Turns up incoming audio from speaker post. See previous section for details

## 4. Power LED

- Green when belt-pack is powered on
- Red when talk-lock is in use
- Flashes green during channel programming

## 5. Power On / Off

- Press to turn power to belt-pack on or off

## 6. Talk Lock

- Used with a full-duplex system, press to activate hands-free communication
- When car arrives at speaker post, press to activate. Communication will automatically deactivate when car leaves speaker post and automatically reactivate when next car arrives
- Press Talk 1 or Page to deactivate Talk Lock
- Only 1 belt-pack at a time can use Talk Lock and no other headsets can talk to the speaker post
- Disabled or enabled by holding Talk Lock button down when the headset is being powered up

## 7. Talk 2

- Has the exact same function as Talk 1 when used with a single lane system
- On Dual and Cross Lane systems Talk 2 will be programmed to communicate with Lane 2

## 8. Talk 1

- Activates communication to outside speaker
- Will also be heard by other headsets and possibly grill speaker (depending on system configuration)
- Can be used to test incoming and outgoing audio even when no car is present
- On half-duplex systems, press to talk and release to listen
- On full-duplex systems incoming audio will be heard even while Talk 1 is pressed
- On Dual and Cross Lane systems Talk 1 will be programmed to communicate with Lane 1

## 9. Headset Jack

- The 2 prong headset connector plugs in here

## 10. Battery Compartment

- Battery goes here

## 11. Battery Release

- Slide back to release battery from compartment