Butler Regional Interoperable Communications System

RADIO AND SYSTEM ORIENTATION

APX 1000

Model 1

BRICS

Butler Regional Interoperable Communications System

RADIO CONTROLS

APX 1000

Model 1

BRICS

RADIO CONTROLS

MODEL 1

Multi Function Control Knob (MFK)*

Speaker

Menu Select Buttons

Top (Orange) Button **EMERGENCY**

Multi Function Control Knob (MFK)*

Antenna

Top Light bar

LED

TOP VIEW

BRICS

PREPARING YOUR RADIO FOR USE

❑ Attaching/Removing the Battery

Slide the battery into the radio's frame until the bottom latch clicks into place.

To remove the battery, turn the radio off. Lift up the latch then slide the battery down to remove the battery from the radio.

Note: If your radio is preprogrammed with volatile-key retention, the encryption keys are retained for approximately 30 seconds after battery removal.

Check with your dealer or system administrator for more information. You can view the status of your IMPRES battery.

❑ Antenna Note:

Frequently check the antenna to ensure that it is tight.

ONLY USE THE ANTENNA SUPPLIED WITH THE RADIO

With the radio turned off, set the antenna in its receptacle and turn clockwise to attach it to the radio.

To remove the antenna, turn the antenna counterclockwise. Make sure you turn off the radio first.

PREPARING YOUR RADIO FOR USE

❑ Attaching/Removing the Accessory Connector Cover

The accessory connector is located on the antenna side of the radio. It is used to connect accessories to the radio.

Note: To prevent damage to the connector, shield it with the connector cover when not in use.

Insert the hooked end of the cover into the slot above the connector.
Press downward on the cover's top to seat it in the slot.
Once in place, tighten by rotating the thumbscrew clockwise by hand.

To remove the accessory connector cover, rotate the thumbscrew counterclockwise until it disengages from the radio.

If the thumbscrew is too tight, use an Allen wrench to loosen it first.

Rotate and lift the connector cover to disengage it from the radio.

PREPARING YOUR RADIO FOR USE

❑ Turning on/off the Radio

Press the Control Knob until your radio display lights on, then release the knob.

If the power-up test is successful, you see the Home screen.

Note: If the power-up test is unsuccessful, you see **Error XX/YY** (**XX/YY** is an alphanumeric code).
Turn off the radio, check the battery, and turn the radio back on. If the radio fails the power-up test again, record the **Error XX/YY** code and contact your dealer.

Note: If the power-up test is successful, but you see **Hardware board absent** or **Hw Board Mismatch**.
Then, send the radio to the qualified technician to fix this error.
If the power-up test is successful, but you see, **Hw Board Failed** or **Man-Down Hw Error**, send the radio to the qualified technician to fix this error.

To turn off your radio, press and hold the Control Knob until the radio display shows **Power off?**, press the **Menu Select** button below **Yes** to power off.

❑ Adjusting the Volume

To increase the volume, rotate the **MFK** clockwise.

To decrease the volume, rotate the **MFK** counterclockwise.

The display shows volume bars and volume level when you change the volume.

Note: If Volume Change is secondary feature of the knob, see **Multi Function Knob (MFK)** to toggle the function of the knob.

Butler Regional Interoperable Communications System

GENERAL OPERATION

APX 1000

Model 1

BRICS

IDENTIFYING RADIO CONTROLS

❑ Push-To-Talk (PTT) Button

The **PTT** button on the side of the radio serves two basic purposes:

• While a call is in progress, the **PTT** button allows the radio to transmit to other radios in the call.
Press and hold down **PTT** button to talk. Release the **PTT** button to listen.
The microphone is activated when the **PTT** button is pressed.

• While a call is not in progress, the **PTT** button is used to make a new call.

MICROPHONES

- **Speak Clearly into the microphone**

- Red Lines indicate microphones

❑ Accessing the Preprogrammed Functions

You can access various radio functions through one of the following ways:

- A short or long press of the relevant programmable buttons.

  OR

- Use the **Menu Select Buttons** (, , and).

Using the Menu Select Buttons

The **Menu Select Buttons** allow to access the menu entries of features.

IDENTIFYING RADIO CONTROLS

Multi Function Knob (MFK)

MFK is the on/off button of your radio. In addition, there are programmable features available for MFK, which are:

Mode Change – Turn MFK to scroll the channel or zone list.

Volume Change – Turn MFK to increase or decrease the volume level of the speaker. Fast turn of MFK makes coarse tuning of the volume level; slow turn of MFK makes fine tuning of the volume level. The display shows the volume level and bars to indicate the current level. The level of last selected volume before the radio powers down remains the same when the radio powers up.

The main display only shows the icon of secondary feature; the main display does not show the icon of primary feature. Your radio by default is set to use the primary feature. Short presses of MFK toggle it to work on either the secondary or primary feature.

The secondary feature has an inactivity timer. This timer starts when the secondary feature is left idle. Your radio returns to primary feature when this timer expires.
If the MFK is set to operate only one feature besides On/Off the radio, Volume Change should be the only feature applied to MFK.

❑ Emergency Operation

- **You will be queried by a dispatch center about your activation.**
    - EX: 9COM to 1S38, Are you declaring an emergency?
        - If this is an actual emergent activation, simply state your emergency and the resources needed.
    - If it was an accidental activation you must use the keyword to clear the accidental activation**.**
        - Any other response will generate a Law Enforcement response to ensure you are OK.
    - EX: 9E2027, accidental, _____.
- Reset the emergency status by pressing and holding the **ORANGE BUTTON**, then releasing.
- Make sure you reset your emergency button before switching talkgroups.

❑ Emergency Operation

The Emergency feature is used to indicate a critical situation.

If the **Top (Orange)** button is preprogrammed to send an emergency signal, this signal overrides any other communication over the selected channel.

Your radio supports the following Emergency modes:

- Emergency Alarm with Emergency Call

Note: To exit emergency at any time, press and hold the preprogrammed **Emergency** button for about a second.

Note: The radio operates in the normal dispatch manner while in Emergency Call, except if enabled, it returns to one of the following:

- **Talkgroup Revert**

  The radio sends emergency alarm and/or make emergency call on the assigned revert talkgroup, which is normally your A1 talkgroup.

- **Tactical**

  Stays on your selected talkgroup or conventional channel.

- **Hot Mic**

  If your assigned talkgroup is 09 BCJ CTL, an emergency button press opens your microphone for 10 seconds and sends an alarm.

DEMO

IDENTIFYING STATUS INDICATORS

❑ Status Icons

The 160 x 90 pixel front liquid crystal display (LCD) of the radio shows radio status, text entries, and menu entries. The top display row contain color icons that indicate radio operating conditions.

The following are the icons that appear on the radio's display.

Receiving
Radio is receiving a call or data.

Transmitting
Radio is transmitting a call or data.

Battery
The number of bars (0 – 4) shown indicates the charge remaining in the battery. Blinks when the battery is low.

Received Signal Strength Indicator (RSSI)
The number of bars displayed represents the received signal strength for the current site, for trunking only. The more stripes in the icon, the stronger the signal.

Direct
- On = Radio is currently configured for direct radio-to-radio communication (during conventional operation only).
- Off = Radio is connected with other radios through a repeater.

Monitor (Carrier Squelch)
Selected channel is being monitored (during conventional operation only).

In-Call User Alert
- On = The feature is enabled. Voice muting of the affiliated trunking talkgroup or selected conventional channel is activated.
- Off = The feature is disabled. Voice muting of the affiliated trunking talkgroup or selected conventional channel is deactivated.

Power Level
- L = Radio is set at Low power.
- H = Radio is set at High power.

IDENTIFYING STATUS INDICATORS

Scan
Radio is scanning a scan list.

Secure Operation
- On = Secure operation.
- Off = Clear operation.
- Blinking = Receiving an encrypted voice call.

Bluetooth On
Bluetooth is on and ready for Bluetooth connection

Bluetooth Connected
Bluetooth is currently connected to the external Bluetooth device.

Location Signal
- On = Location feature is enabled, and location signal is available.
- Off = Location feature is disabled.
- Blinking = Location feature is enabled, but no location signal is available.

User Login Indicator (IP Packet Data)
- On = User is currently associated with the radio.
- Off = User is currently not associated with the radio.
- Blinking = Device registration or user registration with the server failed due to an invalid username or pin.

Data Activity
Data activity is present.

MFK is in Mode Change feature
Turn the MFK to change the channel/zone

MFK is in Volume Change feature
Turn the MFK to turn the volume up or down.

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IDENTIFYING STATUS INDICATORS

❑ Top Light bar and LED Indicators

The Top Light bar and LED indicators show the operational status of your radio.

IDENTIFYING STATUS INDICATORS

- Top Light bar and LED Indicators
  - *LED Indications*

Solid red – Radio is transmitting.

Blinking red – Radio is transmitting at low battery condition.

Rapidly blinking red – Radio has failed the self test upon powering up or encountered a fatal error.

Solid yellow (Conventional Only) – Channel is busy.

Blinking yellow – Radio is receiving a secured transmission.

Solid green – Radio is powering up, or is on a non-priority channel while in the Scan List Programming mode.

Blinking green – Radio is receiving an individual or telephone call, or is on a Priority-Two channel while in the Scan List Programming mode.

Rapidly blinking green – Radio is on a Priority-One channel while in the Scan List Programming mode.

Note: No LED indication when the radio receives a clear (non-secured) transmission in trunking Mode.

IDENTIFYING STATUS INDICATORS

		
Orange	**Red**	**Green**
Emergency Alerts	Critical Alerts	Call Alerts

BRICS

❑ Intelligent Lighting Indicators

This feature temporary changes the radio's display backlight color and the alert text background color to help signal that a radio event has occurred.

Note: This feature must be preprogrammed by a qualified radio technician.

Backlight and Bar Color	Notification	When
Orange	Emergency Alerts	The radio initiates an emergency alarm or call.
		The radio receives an emergency alarm or call.
Red	Critical Alerts	The radio battery is low.
		The radio is out of range.
		The radio enters failsoft mode.
		The radio is unable to establish a full connection with the system.
		The radio is unable to authenticate or register with the system.
Green	Call Alerts	The radio receives a call alert.

❑ Alert Tones

Your radio uses alert tones to inform you of your radio's condition. The following table lists these tones and when they occur.

You Hear	Tone Name	Heard
Short, Low-Pitched Tone  **Play**	Radio Self Test Fail	When radio fails its power-up self test.
	Reject	When unauthorized request is made.
	Time-Out Timer Warning	Four seconds before time out.
	No ACK Received	When radio fails to receive an acknowledgement .
	Individual Call Warning Tone	When radio is in an individual call for greater than 6 seconds without any activity.
Long, Low-Pitched Tone  **Play**	Time-Out Timer Timed Out	After time out.
	Talk Prohibit/PTT Inhibit	(When **PTT** button is pressed) transmissions are not allowed.
	Lack of Voice PTT Time out	When the radio ends your call after it detected there are lack of voice for 5 seconds after the PTT is pressed and hold. Your radio ends the call to enable your radio to receive calls from other radio users.
	Out of Range	(When **PTT** button is pressed) the radio is out of range of the system.
	Invalid Mode	When radio is on an unprepprogrammed channel.
A Group of Low-Pitched Tones  **Play**	Busy	When system is busy.

IDENTIFYING STATUS INDICATORS

You Hear	Tone Name	Heard
Short, Medium-Pitched Tone  **Play**	Valid Key-Press	When correct key is pressed.
	Radio Self Test Pass	When radio passes its power-up self test.
	Clear Voice	At beginning of a non-coded communication.
	Priority Channel Received	When activity on a priority channel is received.
	Emergency Alarm Entry	When entering the emergency state.
	Central Echo	When central controller has received a request from a radio.
Long, Medium-Pitched Tone  **Play**	Volume Set	When volume is changed on a quiet channel.
	Emergency Exit	When exiting the emergency state.
A Group of Medium-Pitched Tones  **Play**	Failsoft	When the trunking system fails.
	Automatic Call Back	When voice channel is available from previous request.
	Keyfail	When encryption key has been lost.
	Console Acknowledge	When status, emergency alarm, or reprogram request ACK is received.
	Received Individual Call	When Call Alert or Private Call is received.
	Call Alert Sent	When Call Alert is received by the target radio.
	Site Trunking	When a SmartZone trunking system fails.
Two Short, Medium-Pitched Tones	Over-the-Air Programming request	When the radio receives an over-the-air programming request.
Short, High-Pitched Tone (Chirp)	Low-Battery Chirp	When battery is below preset threshold value.

IDENTIFYING STATUS INDICATORS

You Hear	Tone Name	Heard
Two High-Pitched Tones	GPS Fails	When the GPS signal is lost or when GPS fails.
Ringing	Fast Ringing	When system is searching for target of Private Call.
	Enhanced Call Sent	When waiting for target of Private Call to answer the call.
	Phone Call Received	When a land-to-mobile phone call is received.
Gurgle  **Play**	Dynamic Regrouping	(When the **PTT** button is pressed) a dynamic ID has been received.
	Talk Permit	(When PTT button is pressed) is verifying with the system for accepting its transmissions.
Unique, Low-Pitched Chirp	New Message	When a new message is received.
Unique, High-Pitched Chirp	Priority Status	When a priority message is received.
Incremental-Pitched Tone	Bluetooth Paired	When Bluetooth accessory is paired with the radio.
	Bluetooth Connected	When Bluetooth accessory is connected to the radio.
Decremental-Pitched Tone	Bluetooth Unpaired	When Bluetooth accessory is unpaired from the radio.
	Bluetooth Disconnected	When Bluetooth accessory is disconnected from the radio.
A Group of Very High-Pitched Tones	Man Down Continuous Tone	When radio is in Man Down mode and prepares to transmit Emergency Alarm when the timer of this alarm ends.
	Critical Man Down Continuous Tone	When radio is in Man Down Enhanced mode and prepares to transmit Emergency Alarm when the timer of this alarm ends.

❑ Selecting a Zone

Press the button with one dot (under the PTT) to move up a zone.

Press the button with two dots (under the PTT) to move down a zone.

❑ Selecting a Radio Channel

There are two ways to select a channel.

Procedure A:

Press the menu key “ChUp” or ChDn” to move up or down a channel.

Procedure B:

[MFK]

1 Press the **MFK** down to enter **Channel Change.**

***Note:** This icon will appear on the screen:

2 Turn the **MFK** to the required channel.

❑ Receiving and Responding to a Radio Call

Once you have selected the required channel and/or zone, you can proceed to receive and respond to calls.

The LED lights up solid red while the radio is transmitting. In conventional mode, the LED lights up solid yellow when the radio is receiving a transmission. In trunking mode, there is no LED indication when the radio receives a transmission.

If the radio is receiving a secure transmission, the LED blinks yellow.

Butler Regional Interoperable Communications System

ADVANCED FEATURES

APX 1000
Model 1

RICHARD K. JONES SHERIFF BUTLER COUNTY STATE OF OHIO

BRICS

❑ Scan

Turning Scan On or Off

This feature allows you to monitor traffic on different channels by scanning a preprogrammed list of channels.

Procedure:

[Preprogrammed Button]

1. Press the preprogrammed **Scan** button which is the purple button above the PTT

SCAN
OFF = ⊘
ON = O

❑ Scan Lists

Viewing a Scan List

Scan lists are created and assigned to individual channels/groups.

Your radio scans for voice activity by cycling through the channel/group sequence specified in the scan list for the current channel/group.

Procedure:

1. Press the **Menu Select** button directly below **ScnL.**
2. Press the **Menu Select** button directly below **Rcl** to view the next member of the scan list.
3. Continue to press **RCL** to see additional list items.

❑ Scan Lists

Editing the Scan List

This feature lets you change scan list members and priorities.

Procedure:

OR

1. Select the channel that you wish to add/remove to your scan list

3. Press the **Menu Select** button directly below **ScnL**

4. Press the **Menu Select** button directly below **Sel** to add and/ or change the priority of the currently displayed channel in the scan list.
   OR
   Press the **Menu Select** button directly below **Del** to delete the currently displayed channel from the scan list.

LE at Other PSAPs

- 3COM: Fairfield
- 4COM: Miami University
- 5COM: Trenton
- 6COM: Monroe
- 7COM: West Chester
- 8COM: Middletown
- 9COM: Butler County

Zone G

- All main LE dispatching talkgroups are in Zone G for scanning purposes

Name Examples

- 09-4L MAIN is 4COM Law
- 09-5L MAIN is 5COM Law

G LAW
Name
09-3L MAIN
09-4L MAIN
09-5L MAIN
09-6L MAIN
09-7L MAIN
09-8L MAIN
09 DELTA
09 ECHO
09 TANGO
09 ZULU
09 LE INFO
09-31 ACB
SO68 DSP1

FD at Other PSAPs

- 3COM: Fairfield
- ~~4COM: Miami University~~
- 5COM: Trenton
- 6COM: Monroe
- 7COM: West Chester
- 8COM: Middletown
- 9COM: Butler County

Zone F

- All main FD dispatching talkgroups are in Zone F for scanning purposes

Name Examples

- 09-5F MAIN is 5COM Fire
- 09-8F MAIN is 8COM Fire

F FIRE
Name
09-3F MAIN
09-5F MAIN
09-6F MAIN
09-7F MAIN
09-8F MAIN
09 ALPHA
09 BRAVO
09 FD DISP
68FDISP1
09 FD INFO
8 TAC 94
8 TAC 93
8 TAC 92
8 TAC 91
8 CALL 90

9COM FIRE CHANNELS

09 ALPHA / “Nine Alpha”

- Zone F (for scanning)
- 9COM fire / EMS dispatching – West side departments
- Usually patched with 09 BRAVO

09 BRAVO / “Nine Bravo”

- Zone F (for scanning)
- 9COM fire / EMS dispatching for Hamilton FD, Liberty Twp FD and Fairfield Twp FD.
- Normally patched with 09 ALPHA

❑ Global Positioning System/ Global Navigation Satellite System

The Global Navigation System (GNSS) in the radio integrated the information from the Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS) to determine the approximate geographical location of your radio. **Note**: This feature is addressed as GPS across the manual as the naming convention of the buttons and strings remain the same as the legacy feature of GPS.

The availability and accuracy of this location information (and the amount of time that it takes to calculate it) varies depending on the environment in which you are using the GPS feature.

For example, GPS location fixes are difficult to obtain indoors, in covered locations, between high buildings, or in situations where you have not established a clear broad view of the sky.

Once GPS is enabled, the radio displays the GPS icon on the screen.

❑ Global Positioning System/ Global Navigation Satellite System

GPS Operation

The GPS technology uses radio signals from earth orbiting satellites, to establish the location coordinates, maximizing your view of clear unobstructed sky is essential for optimum performance.

Where adequate signals from multiple satellites are not available (usually because you cannot establish a view of a wide area of the sky), the GPS feature of your radio will not work. Such situations include but are not limited to:

- Underground locations
- Inside of buildings, trains, or other covered vehicles
- Under any other metal or concrete roof or structure
- Between tall buildings or under dense tree-cover
- In temperature extremes outside the operating limits of your radio

Even where location information can be calculated in such situations, it may take longer to do so, and your location estimate may not be as accurate. Therefore, in any emergency situation, always report your location to your dispatcher.

Keep in mind that the accuracy of the location information and the time it takes to obtain it varies depending upon circumstances, particularly the ability to receive signals from an adequate number of satellites.

Note: Even where adequate signals from multiple satellites are available, your GPS feature only provides an approximate location, usually within 10 meters from your actual location, but sometimes farther away.

The satellites used by the GPS feature are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense GPS user policy and the Federal Radio Navigation Plan. These changes may affect the performance of the GPS feature on your radio.

❑ Trunking System Controls

Out-of-Range Radio

When your radio goes out of the range of the system, it can no longer lock onto a control channel.

Procedure:

1. *You hear a low-pitched tone.*
   AND/OR
   *The display shows the currently selected zone/channel combination and **Out of range**.*

   Your radio remains in this out-of-range condition until:
   It locks onto a control channel.
   OR
   It locks onto a failsoft channel.
   OR
   It is turned off.

❑ Trunking System Controls

Site Trunking Feature

If the zone controller loses communication with any site, that site reverts to site trunking.

The display shows the currently selected zone/channel combination and **Site trunking**.

What does it mean when my radio says "SITE TRUNKING?"
If a significant failure caused the radio tower sites to lose their connection to the master site (possibly due to a zone controller failure), they can operate independently in "site trunking" mode. Users will be able to communicate between towers but will be unable to reach a dispatch center console. The radio display will alternate between "SITE TRUNKING" and the name of the selected talkgroup.

Dispatchers will receive an audible alarm on their PSAP backup control station radio, prompting them to turn on portable radios. Their consoles will not be able to use network talkgroups during site trunking mode.

Note: When this occurs, you can communicate only with other radios within your trunking site.

❑ Over-the-Air Programming (POP 25, ASTRO 25, ASTRO Conventional, and Wi-Fi)

This feature enables configuration data and firmware to be upgraded to your radio over-the-air. Full use of the radio is retained during the data transfer without interrupting communication. For ASTRO 25 and ASTRO Conventional, the upgrade pauses to give priorities to voice call, and continues after the voice call ended. For Wi-Fi, the upgrade process runs concurrently with voice calls.

Once a configuration upgrade is downloaded to your radio, you can install new changes immediately or delay changes to be installed on the radio when it is being powered up.

NOTE: Wi-Fi programming is currently available at the BRICS office but Pop 25 programming has not been activated.

❑ Over-the-Air Programming (POP 25, ASTRO 25, ASTRO Conventional, and Wi-Fi)

Responding to the notification of Upgrade

Procedure:

1. *The display shows **Upgrade?.***

   Press the **Menu Select button** below **Acpt** to accept the request to upgrade immediately.
   *The display shows **Upg Rx In Prog** to indicate the upgrade received is in progress.*
   OR
   Press the **Menu Select button** below **Dlay** to delay the request to upgrade.
   The radio prompts to upgrade in the next power up of your radio.

   *If the upgrade is successful, the display shows **Program done**.*
   OR
   *If the upgrade failed, the display shows **Program failed**.*
   The radio remains in current configuration.

If your radio has problem of upgrade over-the-air, consult the qualified technician for details.

Butler Regional Interoperable Communications System

UTILITIES

APX 1000
Model 1

RICHARD K. JONES SHERIFF BUTLER COUNTY STATE OF OHIO

BRICS

❑ Time-Out Timer

This feature turns off your radio's transmitter. You cannot transmit longer than the preset timer setting.

If you attempt to do so, the radio automatically stops your transmission, and you hear a talk-prohibit tone.

The timer is defaulted at 60 seconds.

Note: You will hear a brief, low-pitched, warning tone four seconds before the transmission times out.

Butler Regional Interoperable Communications System

CHARGING AND MAINTENANCE

APX 1000

Model 1

RICHARD K. JONES SHERIFF BUTLER COUNTY STATE OF OHIO

BRICS

Motorola Impress® Smart Charger

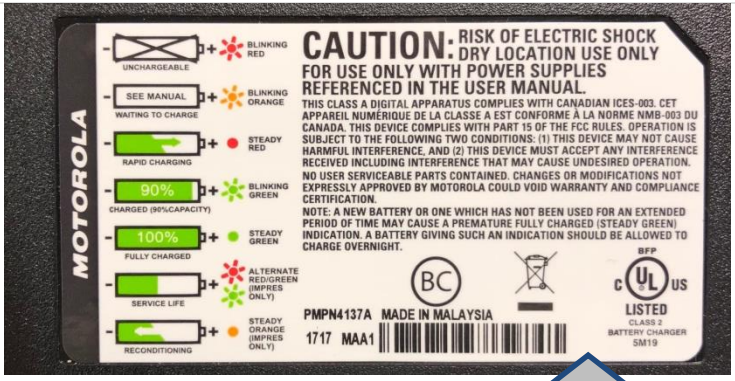
Recharge after each shift.

This “smart” charger will:

- Monitor usage patterns
- Store that information in the battery
- Recondition the battery when needed
- Not overheat regardless of how long it’s left in

Do not put your Impress battery in a conventional charger intended for another radio.

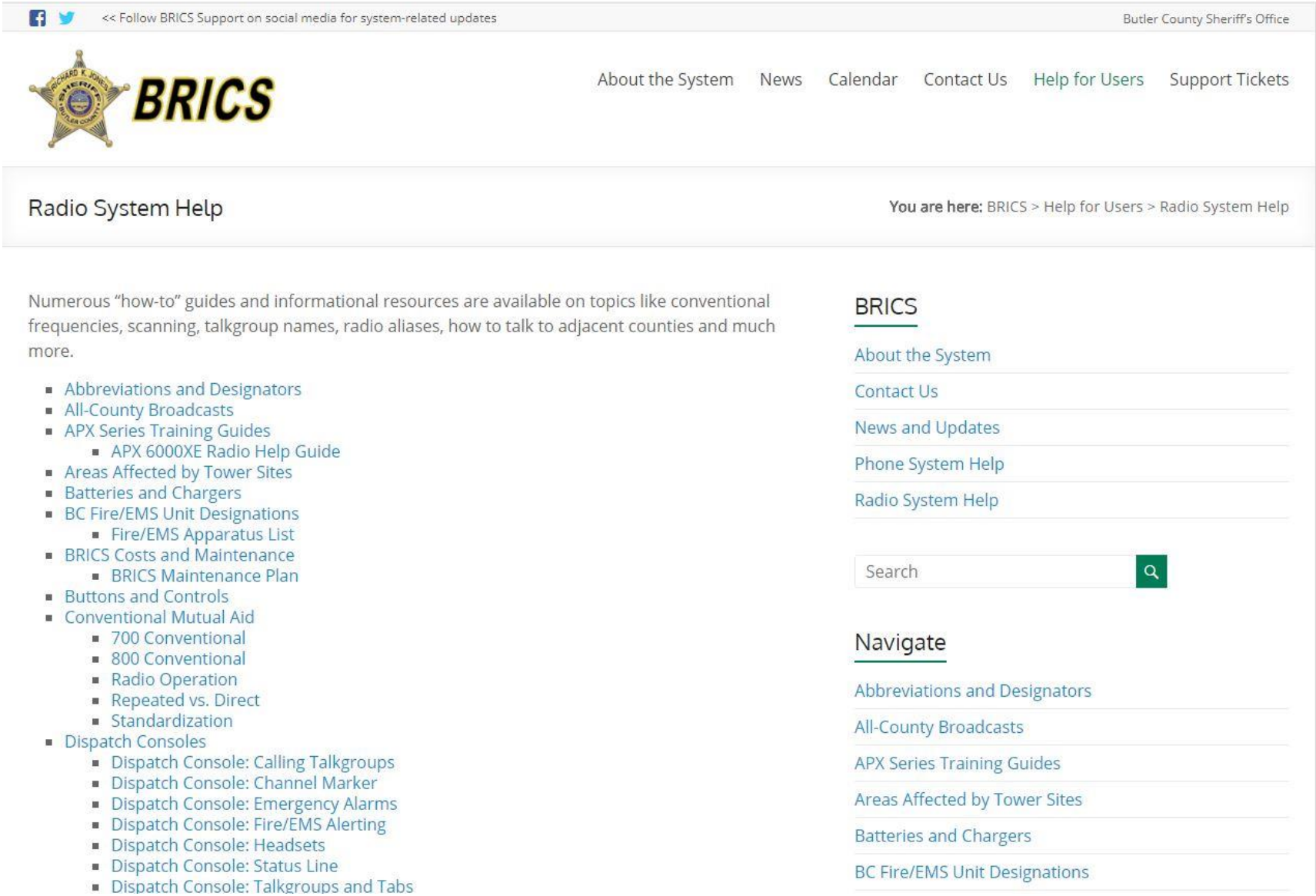
Charger Lights



Label on the bottom of the charger

Charge Indicator	Description
Steady Red	Battery is in rapid charge mode.
Blinking Green	Battery has completed rapid charge (>90% available capacity). Battery is in Top-Off charge (Trickle Charge) and requires approximately 1 hour.
Steady Green	Battery has completed charging and is fully charged.
Blinking Orange	Battery is recognized by charger but is waiting to charge. (Either the battery voltage is too low or the battery temperature is too low or too high to allow charging. When this condition is corrected, the battery will begin charging).
Blinking Red	Battery is un-chargeable or not making proper contact. Reseat the battery in the charger.
Steady Orange	Battery is in recondition mode. The length of time the charger remains in this mode is dependent upon the state of charge remaining in the battery when inserted. (Fully charged batteries require more time to recondition–8 hours or more–than fully discharged batteries.)
Flashes Red & Green	Battery may be approaching the end of its rated service life. This is not a fault indication merely a notification to the user that the battery may soon no longer be able to yield expected service and **may** need to be replaced. If you can still make it through your shift without a “low battery” chirp, it is fine.

ONLINE HELP


<< Follow BRICS Support on social media for system-related updates
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BRICS
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News
Calendar
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Help for Users
Support Tickets
Radio System Help
You are here: BRICS > Help for Users > Radio System Help
Numerous "how-to" guides and informational resources are available on topics like conventional frequencies, scanning, talkgroup names, radio aliases, how to talk to adjacent counties and much more.
Abbreviations and Designators
All-County Broadcasts
APX Series Training Guides
APX 6000XE Radio Help Guide
Areas Affected by Tower Sites
Batteries and Chargers
BC Fire/EMS Unit Designations
Fire/EMS Apparatus List
BRICS Costs and Maintenance
BRICS Maintenance Plan
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Radio Problems

If your radio is not working or broken, bring it to us!

BRICS

http://brics.butlersheriff.org/

513-785-1299