


Innovative Electronic Designs


**Small Systems
Communications Training
Seminar**
February 21-23, 2012



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Innovative Electronic Designs

Mic Station Setup

Mic Station Options Setup

Hardware Settings
524 Manual Settings

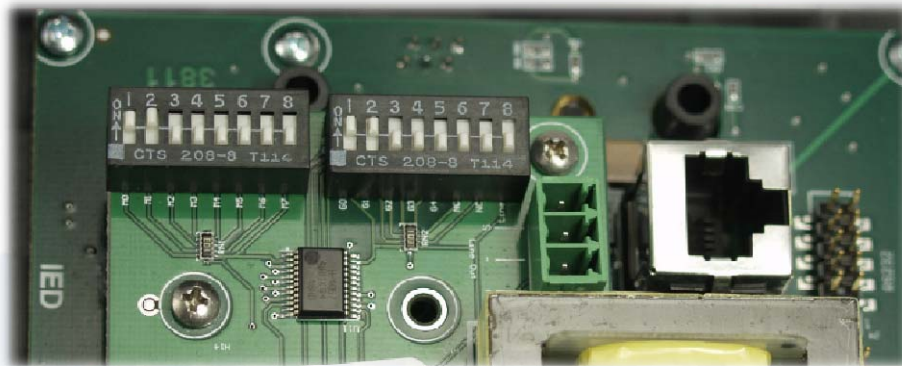
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Mic Station Setup



524 Manual Settings



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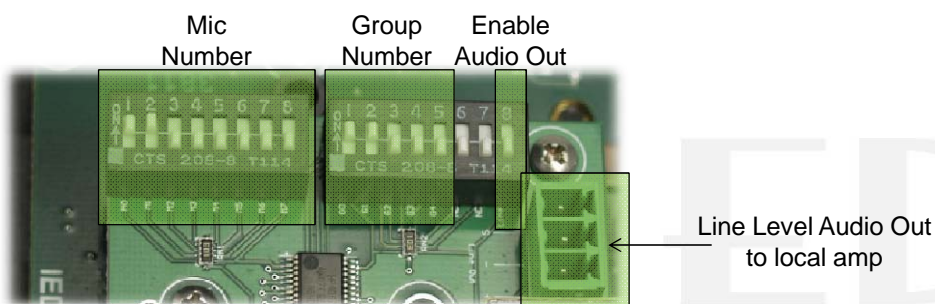
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Mic Station Setup



524 Manual Settings

- DIP switches:
- On (up) sets binary bit
- Uses "binary rollover (all switches off = maximum number)"
 - Mic Number: 256
 - Group Number: 32



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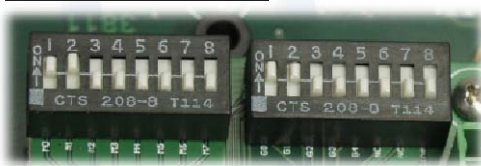
Mic Station Setup



524 Manual Settings

- DIP switches:
- On (up) sets binary bit
- Uses "binary rollover (all switches off = maximum number)
 - Mic Number: 256
 - Group Number: 32

VALUE = 1
 VALUE = 2
 VALUE = 4
 VALUE = 8
 VALUE = 16
 VALUE = 32
 VALUE = 64
 VALUE = 128



Mic 1



Mic 73



Mic 255



Mic 256



Group 3



Group 19



Group 31



Group 32

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Mic Station Setup



524 Manual Settings

- Helpful hint:
- Look up binary for desired Mic Station or Group Number
- Turn Station "upside-down" so that "ON" is down
- Turn on switches according to binary number



Mic 1

00000001



Mic 73

01001001



Mic 255

11111111



Mic 256

0001 00000000

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Mic Station Setup



Mic Station Options Setup

500HH/501HH Cable



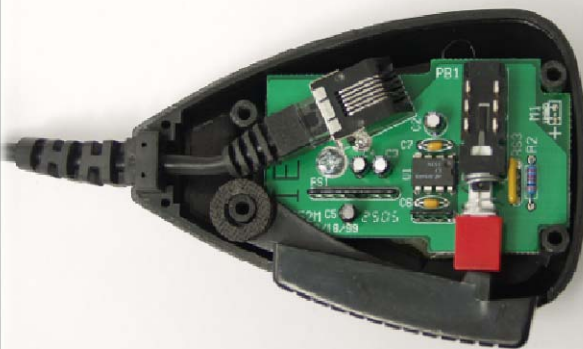
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Mic Station Setup



500HH/501HH Cable



- Available in 10' or 20' (extended) lengths
 - Easily Changed
- Remove back of mic
 - 4 screws
 - Lift off back
- Disconnect old cable from jack
- Insert new cable
 - It will "click" in the jack
 - Place strain relief in detent
- Reattach back
- Reinstall 4 screws

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Mic Station Options Setup

528 Expansion Board Connections



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528 Option Board Connections

- Expansion Connection jumpers
 - Route Audio to compressor
 - Must be removed to install Expansion
 - Must be reinstalled if Exp Board removed
- If "R Card" must be released
 - Pull open the clips
 - Lift Card by free edge (hinges at connector)
 - Pull out of connector
 - Reinstall by reversing step order
- Three Expansion Boards
 - 500E – Gooseneck Mics
 - 500EAO – Audio Output for SRM
 - 528E – Active for 520FME and 528SK

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Mic Station Options Setup

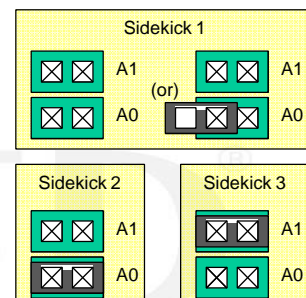
528SK Manual Settings

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528SK Manual Setup



- Jumpers:
 - Set Sidekick Number
 - Labeled "A0" and "A1"
- Use a "suitcase" shunt to set the value

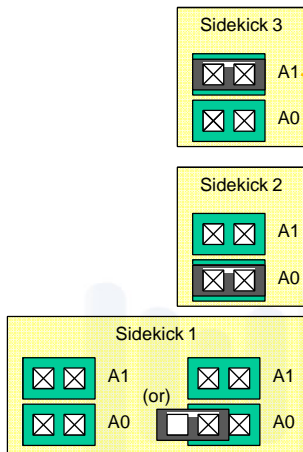


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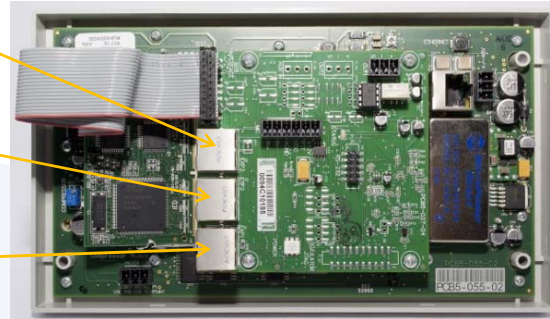
Mic Station Setup



528SK Manual Setup



- Sidekicks must connect to Mic Station properly
 - Sidekick 1 (No shunt) to Expansion 1
 - Sidekick 2 ("A0") to Expansion 2
 - Sidekick 3 ("A1") to Expansion 3



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Mic Station Setup



Mic Station Options Setup

Most 528 settings are handled by the GLOBALCOM System Management Center

Manual settings required:

Expansion Board
Gooseneck Mic
Handheld Mic

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Mic Station Setup



Mic Station Options Setup

528 Manual Settings



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Mic Station Setup



TO SET UP FOR
EXPANSION

PRESS AND HOLD:
"9", "3", "1", "7"
OR
"ENTER", "3", "SHIFT", "1"



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Mic Station Setup



No Expansion:
Means this station does not
have an expansion card and –
No Sidekick
No FME
No Gooseneck

IF NO EXPANSION:
PRESS “ENTER”
(Returns Mic to Active Status)

IF HAS EXPANSION:
PRESS “SHIFT”



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Mic Station Setup



Expansion Capable=
Sidekick or 500MFE

For Sidekick or 500MFE –
Only select **Handheld Mic.**

IF NOT EXPANSION CAPABLE:
PRESS “SHIFT”

IF EXPANSION CAPABLE:
PRESS “ENTER”



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Mic Station Setup



For Sidekick or 500MFE –
Do Not Select Gooseneck Mic.

PRESS "SHIFT"
(Goes to Handheld Mic choice)



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Mic Station Setup



For Sidekick or 500MFE –
Only select Handheld Mic.

PRESS "ENTER" TO SELECT



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Mic Station Setup



Passive Expansion:
Does this station have a
Gooseneck Mic plugged into it?

IF NO PASSIVE EXPANSION:
PRESS "SHIFT"

IF HAS PASSIVE EXPANSION:
PRESS "ENTER"



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Mic Station Setup



If Station has Gooseneck Mic:
PRESS "ENTER" TO SELECT
(Returns to Active Status)

A Station with Gooseneck Mic.
expects the "0 ANNC" key to be
used for PTT.



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Mic Station Setup

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Do not select Handheld Mic. for Passive Expansion.

PRESS "SHIFT" TO CONTINUE
(Goes to "Gooseneck Mic. choice")

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Mic Station Setup

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Changing the settings in a working IED528 Mic. Station

PRESS "4" AND "6"
AT THE SAME TIME

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Mic Station Setup



Changing the settings in a working IED528 Mic. Station

TO MAKE CHANGES:
PRESS "SHIFT" AND "ENTER"



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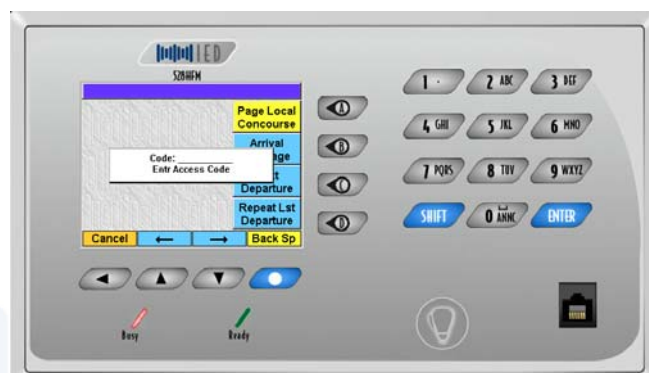
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Mic Station Setup



ENTER THE PASSCODE SLOWLY:
"5022677436" THEN "ENTER"

TO BACKSPACE:
PRESS "SHIFT" AND "ENTER" AT
THE SAME TIME.



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Mic Station Setup



TO CHANGE THE MIC. STATION
NUMBER:
ENTER THE NEW MIC. STATION
NUMBER AND PRESS "ENTER"

TO KEEP EXISTING MIC.
STATION NUMBER:
JUST PRESS "ENTER"



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Mic Station Setup



TO CHANGE THE MIC. GROUP
NUMBER:
ENTER THE NEW MIC. STATION
NUMBER AND PRESS "ENTER"

TO KEEP EXISTING MIC.
GROUP NUMBER:
JUST PRESS "ENTER"



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Mic Station Setup



TO CHANGE THE MIC. STATION LOCATION:
ENTER THE NEW LOCATION
AND PRESS "ENTER"

TO KEEP EXISTING MIC.
STATION LOCATION:
JUST PRESS "ENTER"



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Mic Station Setup



Completed Mic. Station
Number/Group

PRESS "ENTER" TO
CONTINUE SETUP



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Mic Station Setup



TO CHANGE THE MIC. STATION
IP ADDRESS:
PRESS "SHIFT" AND "ENTER"

TO KEEP EXISTING MIC.
STATION IP ADDRESS:
JUST PRESS "ENTER"



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Mic Station Setup



TO CHANGE THE IP SUBNET
MASK:
PRESS "SHIFT" AND "ENTER"

TO KEEP EXISTING IP SUBNET
MASK:
JUST PRESS "ENTER"



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Mic Station Setup



THIS SCREEN IS
INFORMATION ONLY!

You cannot change the
MAC Address.

PRESS "ENTER" TO
CONTINUE SETUP



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Mic Station Setup



Serial number should match
the S/N on the circuit board.

TO CHANGE:
HOLD "SHIFT" KEY DOWN
& PRESS "ENTER"

IF NO CHANGE NEEDED:
PRESS "ENTER"



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Mic Station Setup



THIS SCREEN IS
INFORMATION ONLY!

Shows Firmware Version
& Date that is installed on
the mic. station

PRESS "ENTER" TO
CONTINUE SETUP



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Mic Station Setup



THIS SCREEN IS
INFORMATION ONLY!

Shows Flash Version &
Date that is installed on
the mic. station

PRESS "ENTER" TO
FINISH SETUP



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Mic Station Setup



The station will go back online with the new settings



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Mic Station Setup



To reset a working IED528 Mic. Station

PRESS "9", "6", "7" and "4"
AT THE SAME TIME



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Mic Station Setup



ENTER THE PASSCODE SLOWLY:
"5022677436" THEN "ENTER"

TO BACKSPACE:
PRESS "SHIFT" AND "ENTER" AT
THE SAME TIME.



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Mic Station Setup



To select a mode in the following
screens:
Press "SHIFT" for "No"
Press "ENTER" for "Yes"

From this screen:
Press "SHIFT" to continue



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Mic Station Setup



Normal Reset Mode:
Resets the Mic. Station using
current settings

To Select "Normal Reset Mode"
Press "ENTER"

Otherwise:
Press "SHIFT" to continue



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Mic Station Setup



Rebuild Objects Mode:
Rebuilds the objects in memory.
Erases Button settings.
You must resend buttons.

To Select "Rebuild Objects Mode"
Press "ENTER"

Otherwise:
Press "SHIFT" to continue



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Mic Station Setup



Clear Setup Mode:
Clears ALL information –
Mic. Number, Group Number,
Location, IP Address and Buttons to
Default Settings
You will need to set up station
again.

To Select "Clear Setup Mode"
Press "ENTER"

Otherwise:
Press "SHIFT" to continue



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Mic Station Setup



Maint-Normal IP Reset Mode:
IED Maintenance Mode to allow
new firmware load.

DO NOT USE!

Press "SHIFT" to continue



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Mic Station Setup



Maint-Default IP Reset Mode:
IED Maintenance Mode to allow
new firmware load.

DO NOT USE!

Press "SHIFT" to continue



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Mic Station Setup



Cancel Reset Mode:
Cancels the Mic. Station Reset

Puts Station back on line.

To Select "Cancel Setup Mode"
Press "ENTER"

Otherwise:
Press "SHIFT" to continue through
Reset types list again.



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Mic Station Setup



Accessing Information Screens

You can see information about the Mic. Station Firmware and setup. IED Systems Engineers may ask for this information when troubleshooting issues.

PRESS "1" AND "3"
AT THE SAME TIME



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Mic Station Setup

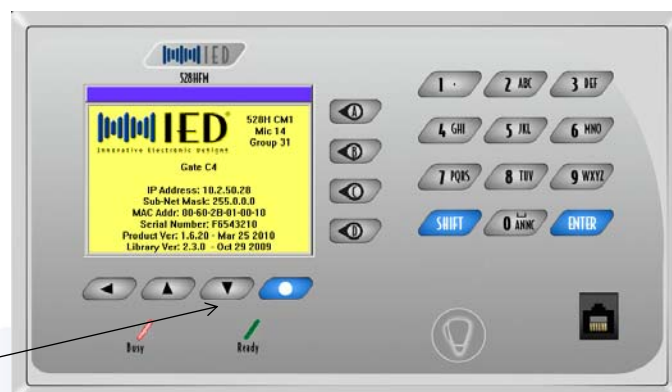


There are three information screens.

The first screen shows basic setup and firmware information.

The bottom buttons function as "Done", "Previous", "Next" and "Refresh"

PRESS THE "DOWN" KEY
TO GO TO THE NEXT
SCREEN.



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Mic Station Setup



The second screen shows CobraNet communications information.

The bottom buttons function as "Done", "Previous", "Next" and "Refresh"

PRESS THE "DOWN" KEY TO GO TO THE NEXT SCREEN OR "DONE" TO EXIT.



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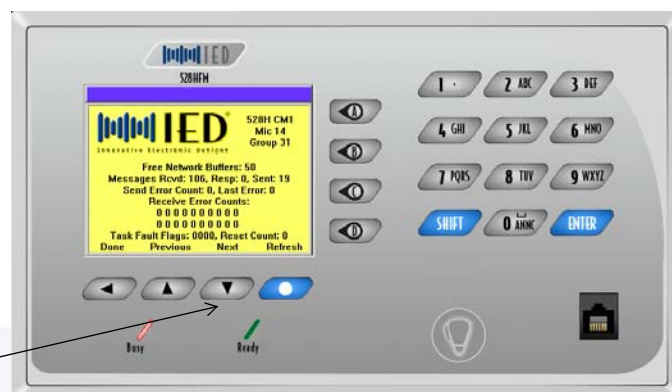
Mic Station Setup



The third screen shows network communications information.

The bottom buttons function as "Done", "Previous", "Next" and "Refresh"

PRESS THE "DOWN" KEY TO GO TO THE NEXT SCREEN.



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