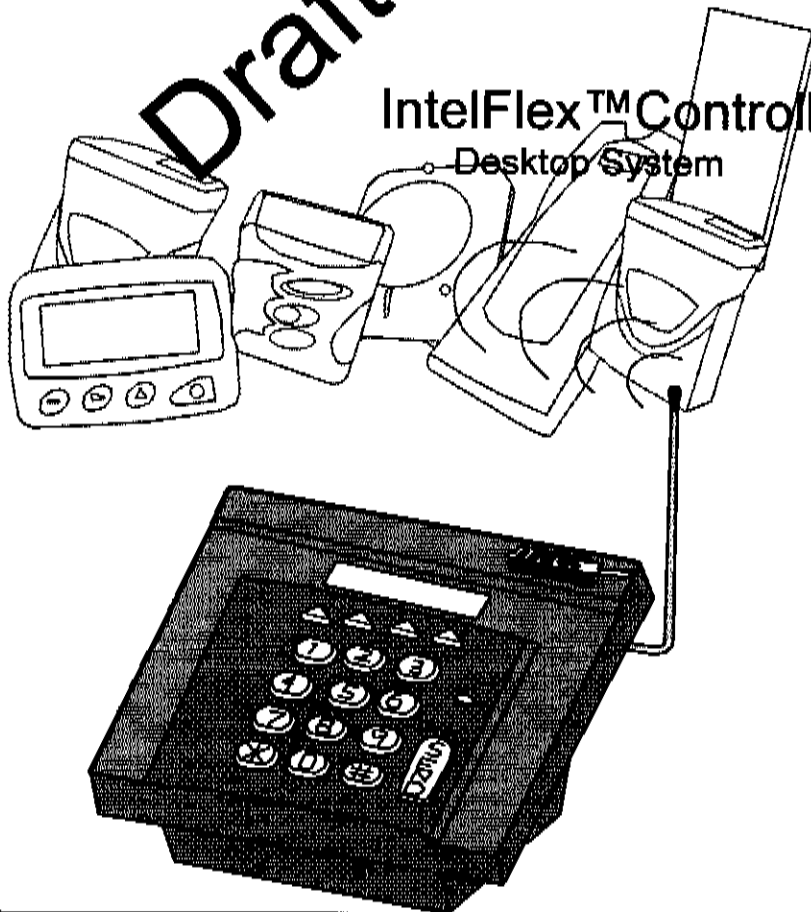


Installation, Programming and Operator Guide
Part Number 320XXXC

JTECH
COMMUNICATIONS, INC.

Draft Copy

IntelFlex™ Controller
Desktop System



Introduction:

Congratulations on your purchase of a JTECH Message System containing the IntelFlex Controller. Please take a few minutes to review this manual prior to installing and operating your system.

Please inspect the System upon receipt. If the contents appear to be damaged, notify the shipper immediately to file a claim and notify JTECH Customer Care. If components are missing, contact JTECH Customer Care.

If you have any questions or need assistance, please call JTECH Customer Care at 800-321-6221 or 561-997-0772, option 6.

IntelFlex Standard System Components:

Pagers

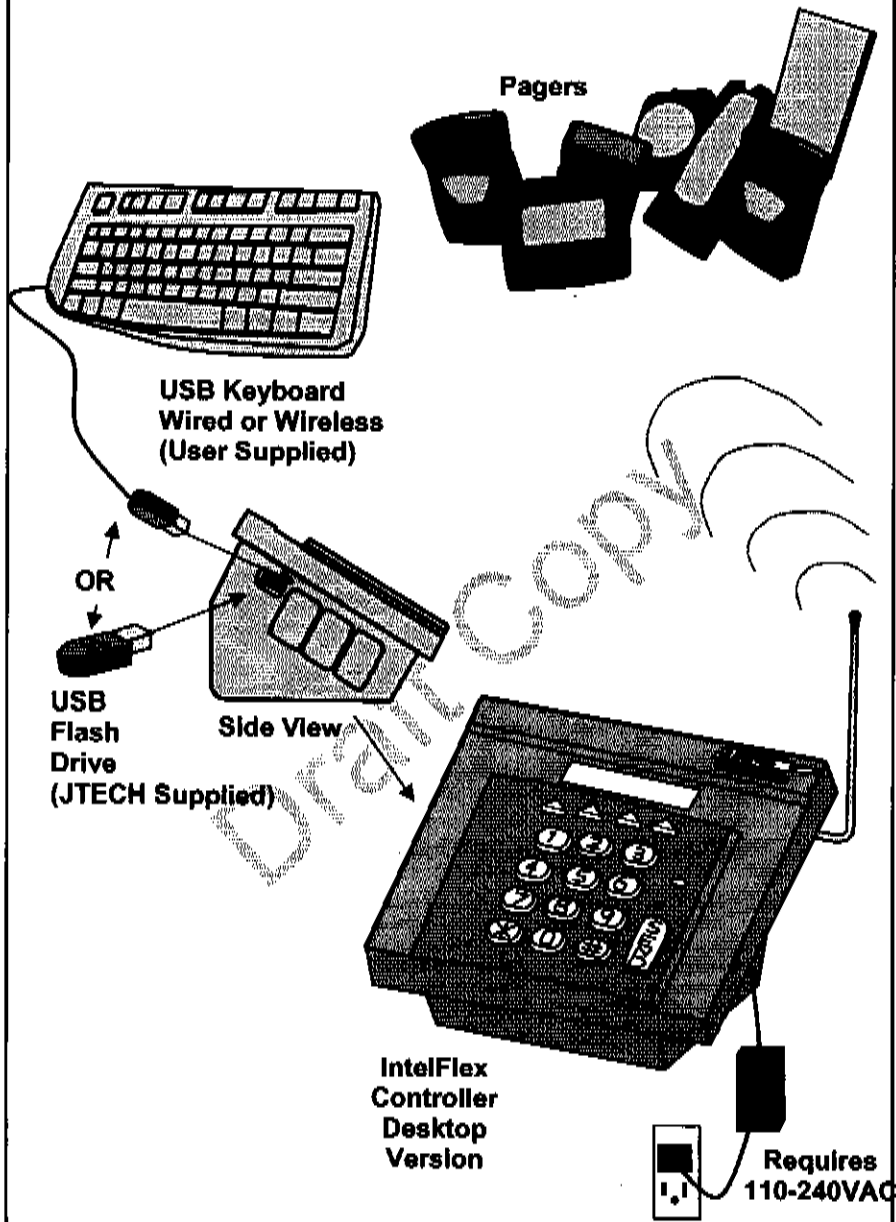


**IntelFlex
Controller
Desktop
Version**



**Requires
110-240VAC**

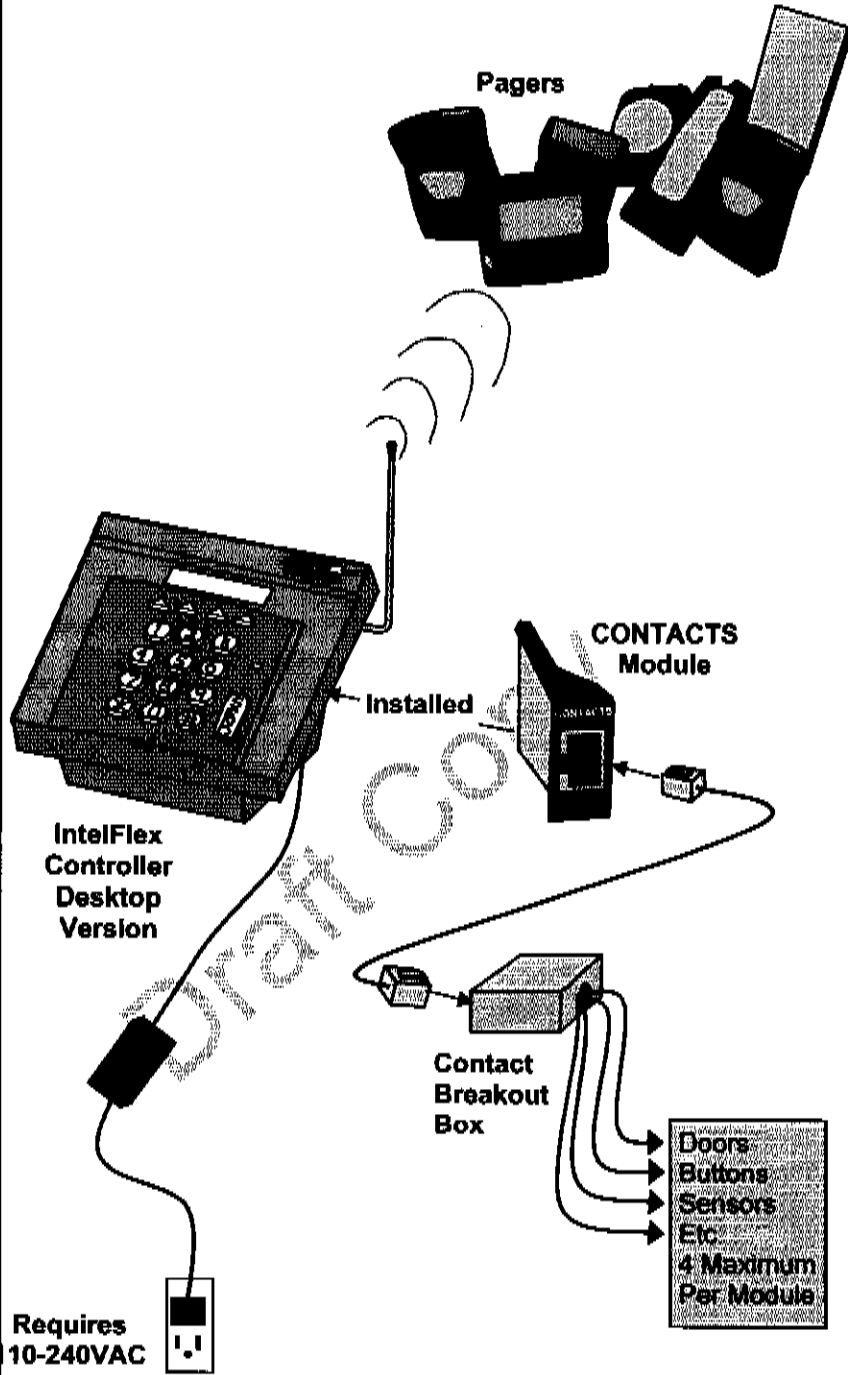
IntelFlex Standard System With USB Components:



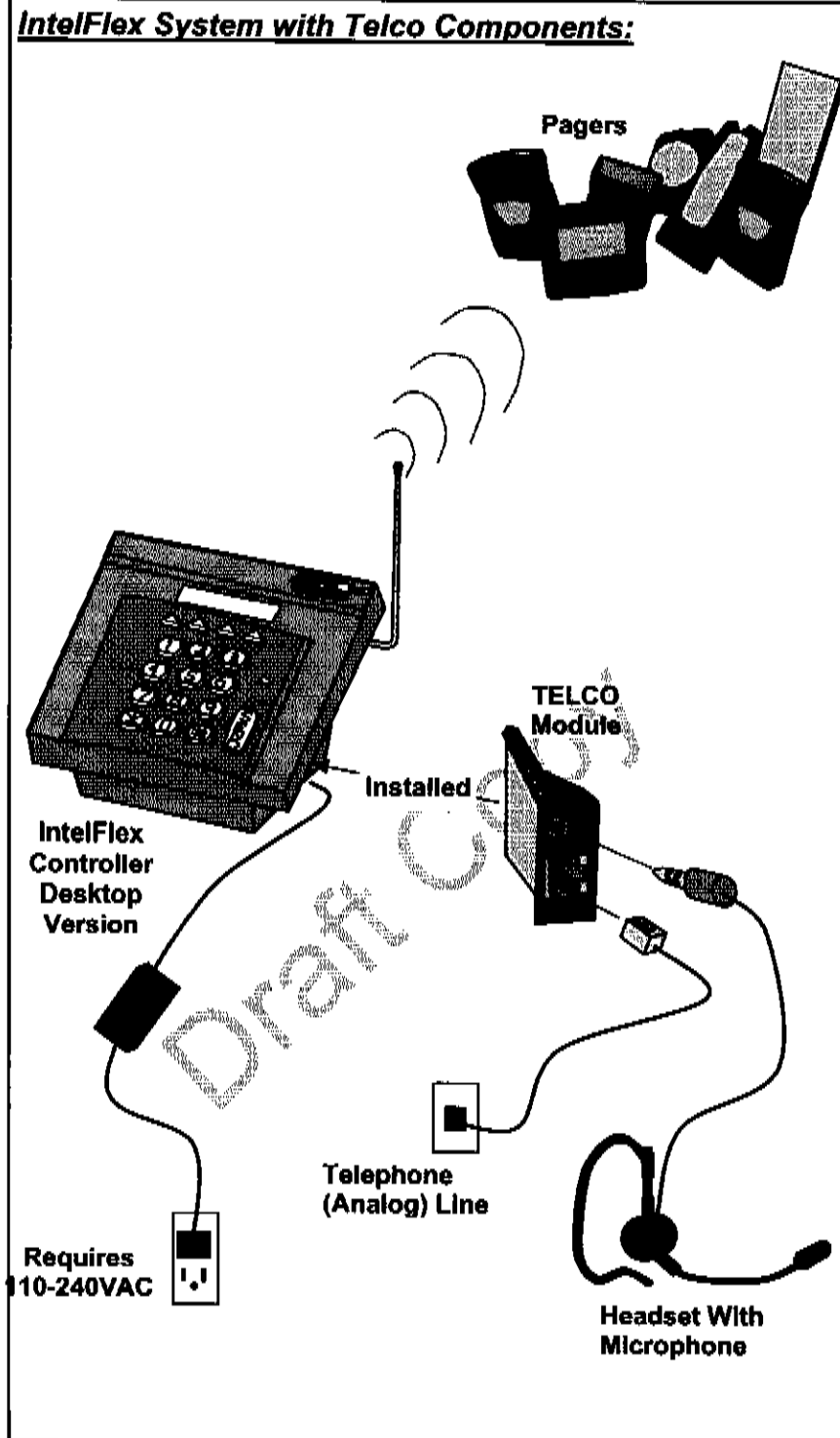
IntelFlex With USB Module and Keypad or Flash Drive

IntelFlex System with Contacts Components:

IntelFlex with Contacts Module

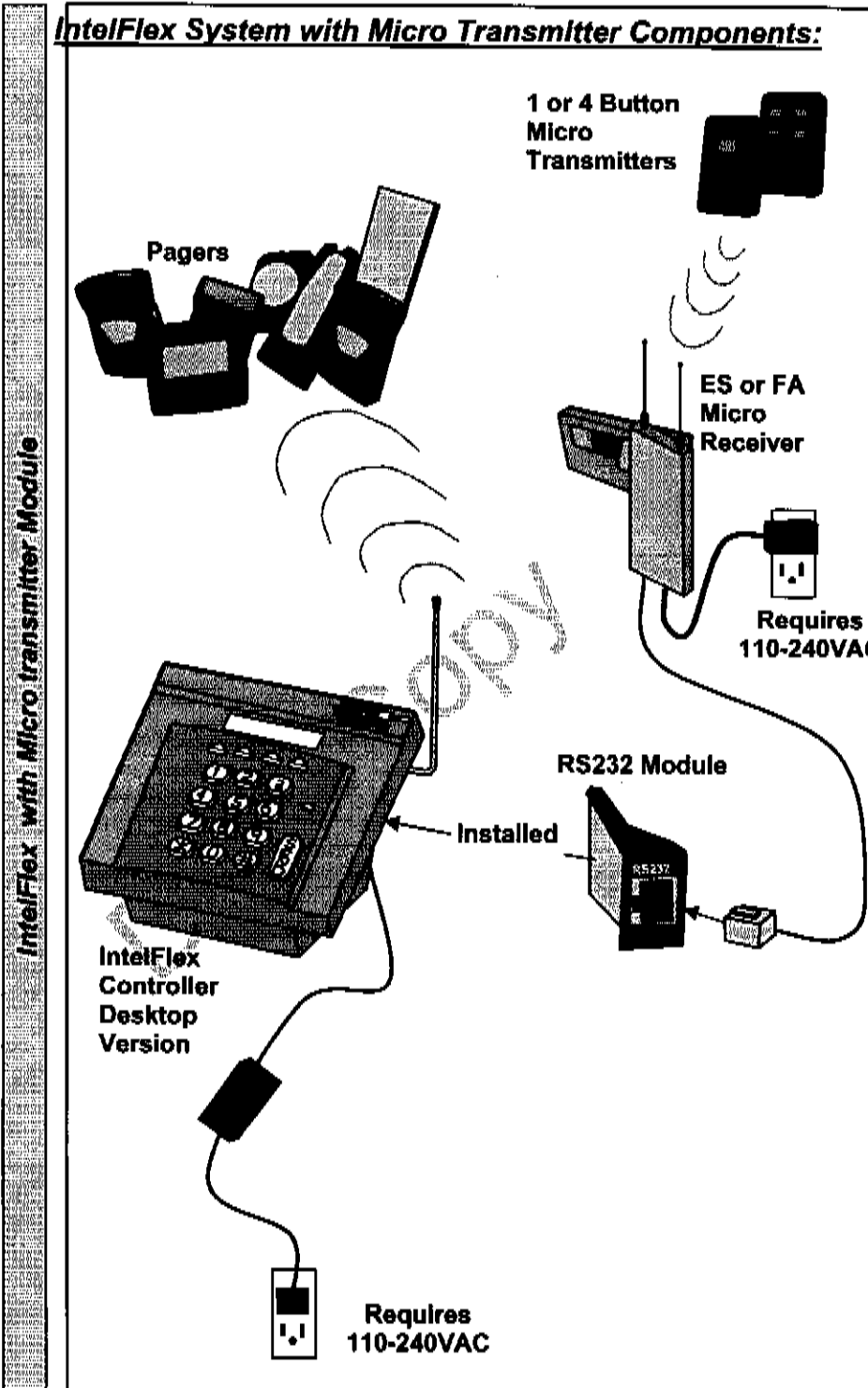


IntelFlex System with Telco Components:



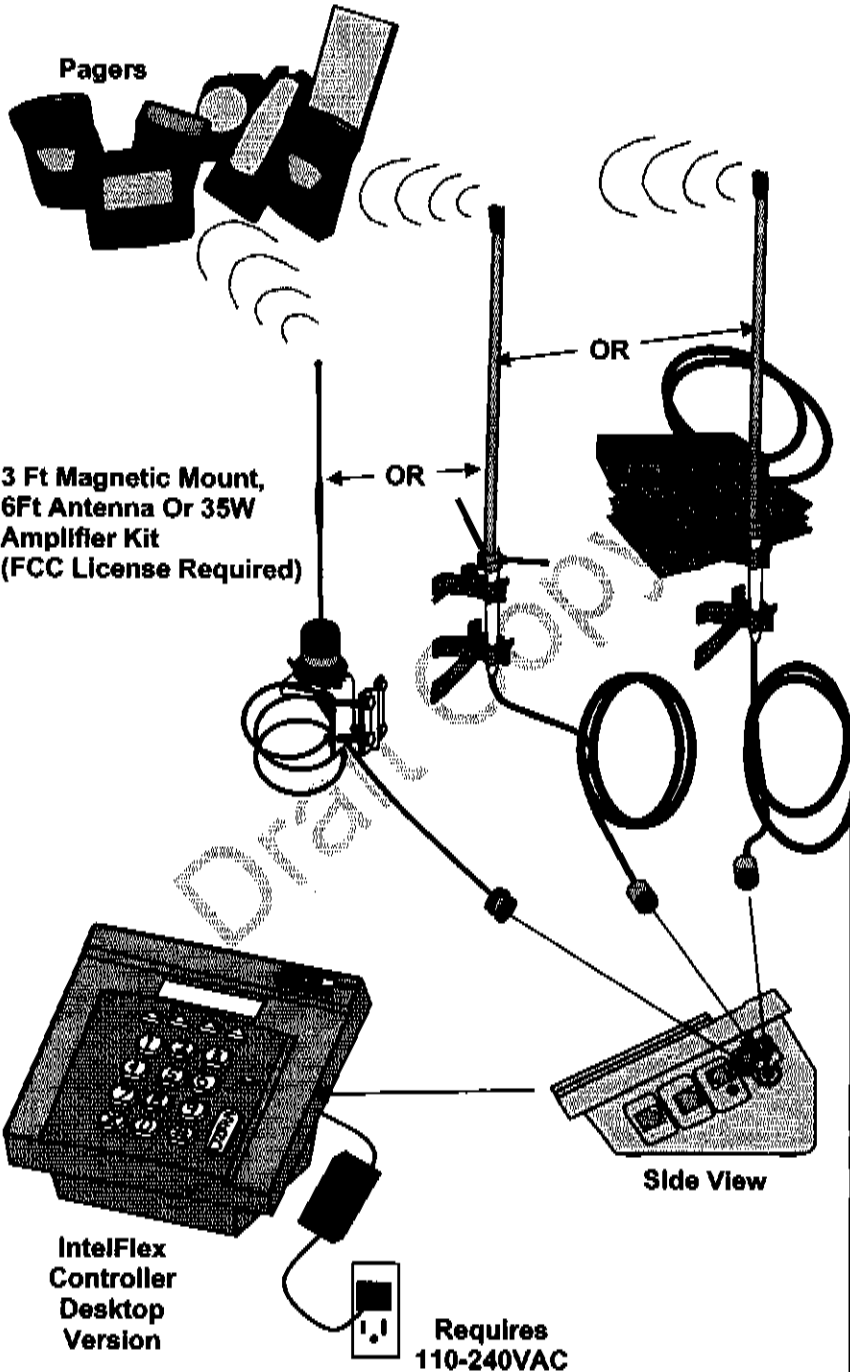
IntelFlex with TELCO Modules

IntelFlex System with Micro Transmitter Components:



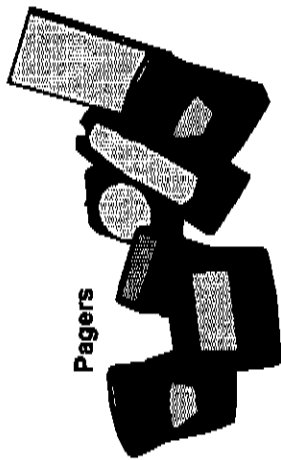
IntelFlex with Micro transmitter Module

IntelFlex System With Extended Range Components:

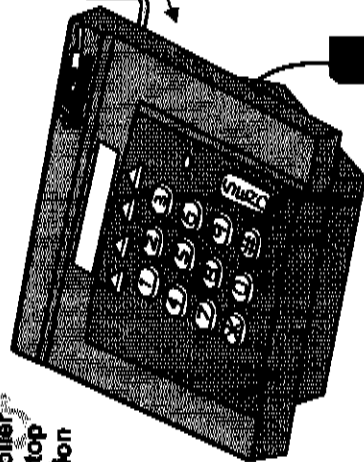


Extended Range Options

IntelFlex Standard System With RS232 Components:

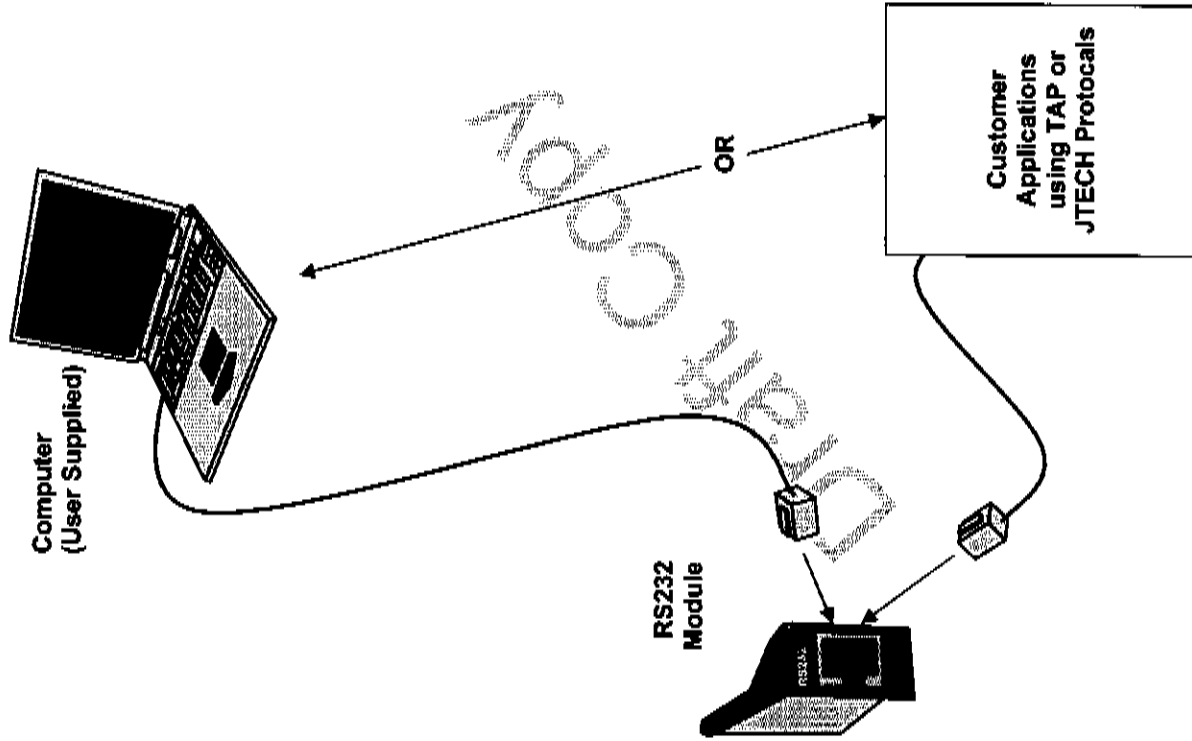


IntelFlex
Controller
Desktop
Version

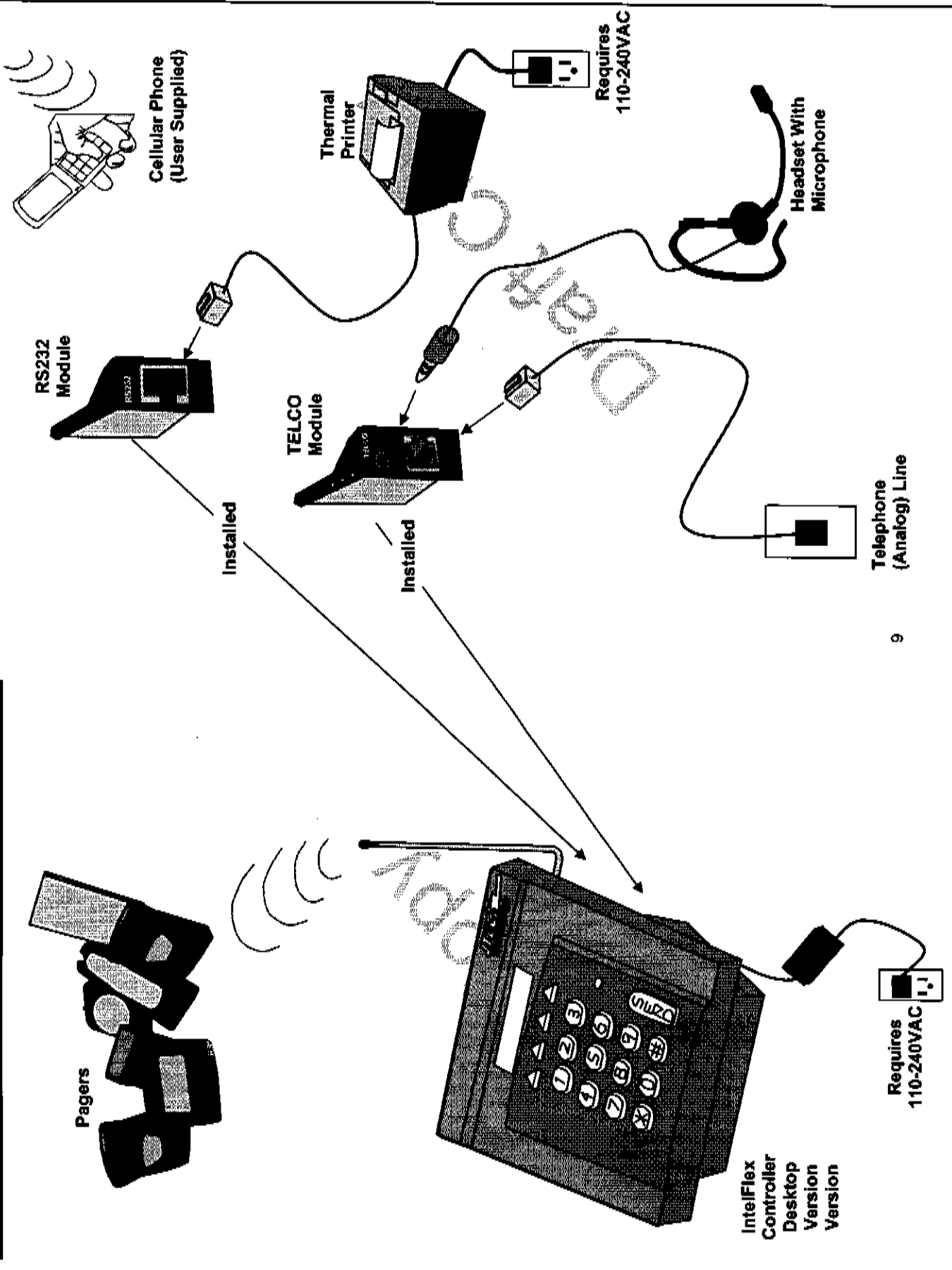


Installed

Requires
110-240VAC



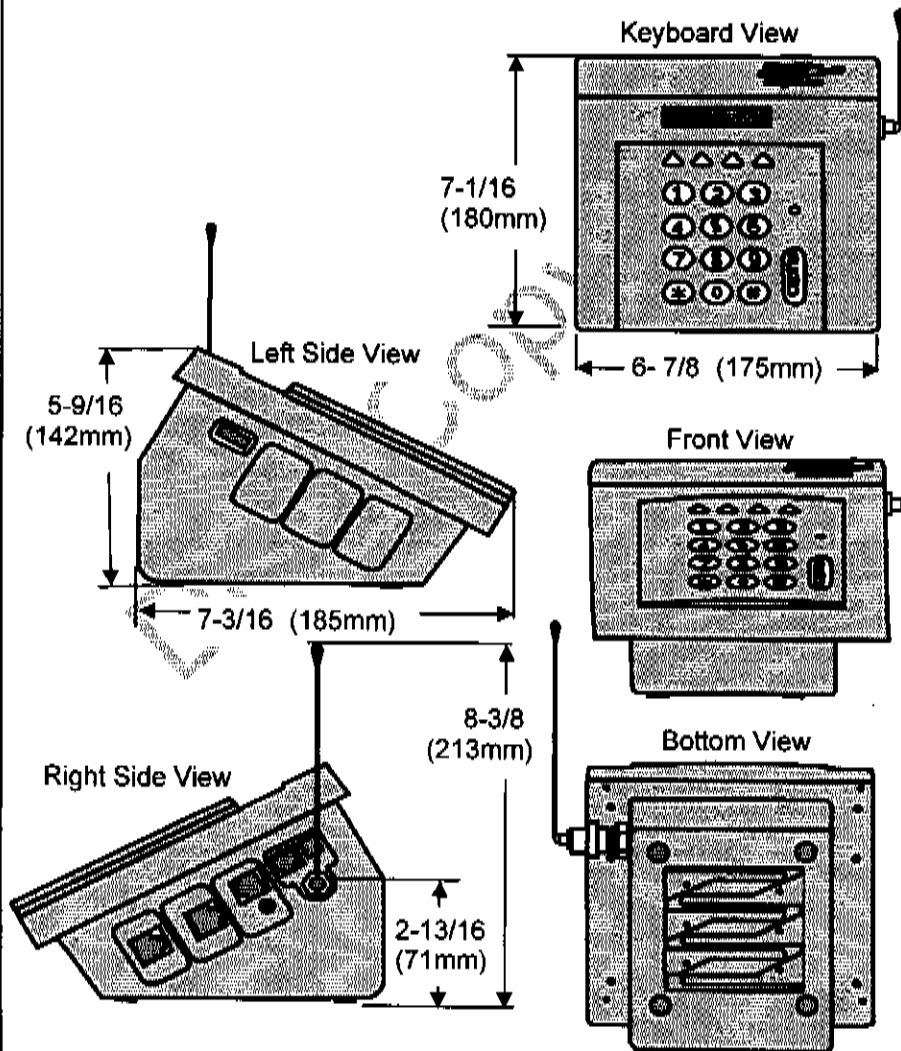
IntelFlex Standard System With Call4Sure Components:



General Specifications (Includes Optional Expansion Modules):

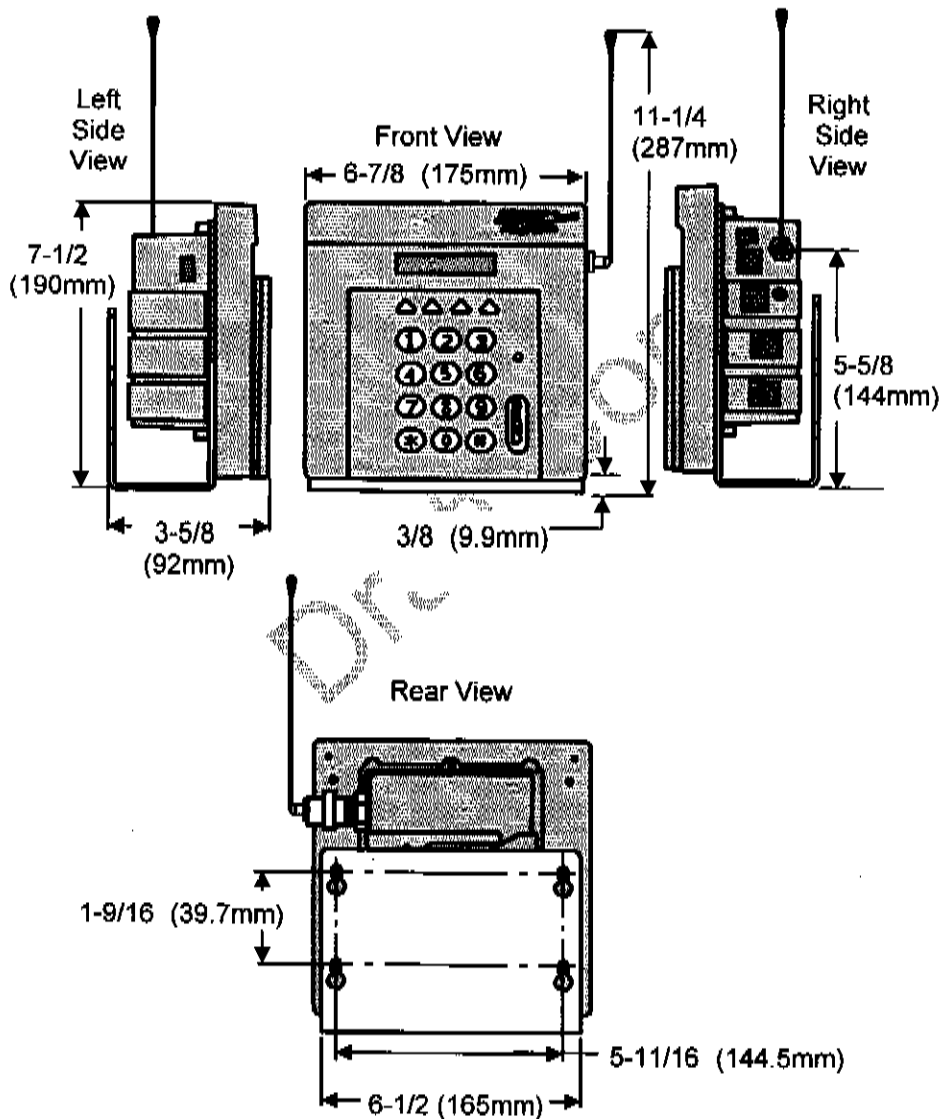
DC Operating Voltage:	13.5VDC 2.4A
Power Adapter	110-240VAC 50-60Hz power adapter
Controller Power Output:	0.1-2 Watts - adjustable using 5 levels.
Keypad Display:	2 Line x 16 Character Alphanumeric LCD
Modulation:	FSK 512 BPS
Protocol:	POCSAG
Transmit:	512, 1200, 2400 Baud
Maximum Expansion Modules:	6 (Any combination; RS232, Telco or Contacts)

Desk/Tabletop Dimensions



RS232 Module (Optional): 1200 Baud
 Telco Module (Optional): 512 Baud
 Contact Module (Optional): NC/NO 4 Pair. 100Ft Maximum wire length .
 Antenna Port: 50 ohm BNC
 Antenna (Standard): 6 (153mm) Rotating Whip Stainless Steel
 Operating Frequency: UHF synthesized 406-420Mhz and 435-470 MHz.
 Temperature Stability: -22° to 122°F (-30 to 50°C) at better than 5 ppm
 Weight: 1.95-2.25 Lbs (0.89-1.02Kg) -Depending on Options

Wall Mount Dimensions



General Specifications

System Dimensions

IntelFlex Controller Highlights:

- Built in transmitter for paging *Vibe/ Tone/Flash, Numeric and Alphanumeric Pagers.*
- Send canned and user defined messages to *Alphanumeric and Numeric Pagers.*
- Adjustable power settings from 0.1-2.0 Watts.
- Time stamped events and create an exportable Log (.txt format).
- 6 expansion slots allow for increasing capabilities.
- "Monitor Before Transmit" eliminates missed pages caused by surrounding equipment.
- Queues up to 32 messages with priority.
- Supports past and present *JTECH Transmitter* functions and more:

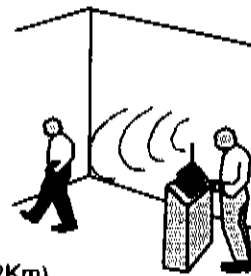


- **Out-of-Range:** Warn when the *Pager* is moved out of transmission range.
- **Range Test:** Measure, establish and adjust transmitter range.
- **Search Mode:** Find lost *Pagers*.
- **Group and Dynamic Group Paging:** Page several *Pagers* with a single entry.
- **Call4Sure:** Cell phone paging.
- **Replace Pager:** Change *Pager* numbers as needed.
- **Pager Voice:** Turns *Pagers* voice alerts ON or OFF.
- **Change alert vibration settings.**



- **Range:**

- Maximum transmitter range is 1½-2 miles (2.4-3.2Km).
- Range will vary, depending on the equipment location and surrounding environment.
- Increase range with an optional *Magnetic Mount Antenna, 6ft Antenna or Extended Range Kit (FCC license required).*

**USB & Ethernet Connections**

- USB 2.0 port for *Flash Drive* software upgrades or *Keyboard* support.
- IP addressable Ethernet port for paging support "online" and software upgrades.

**Optional Expansion Modules**

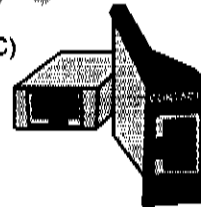
RS232 (Communications):

- Supports existing JTECH RS232 Interfaces including *SmartAlert Transmitters*.
- Receives TAP (Telocator Alphanumeric Protocol) at various baud rates.
- Receives data input at up to 9600 baud.
- Connect to a computer to send page information to *Vibe/Tone, Numeric and Alphanumeric Pagers*.
- Connect to a *Thermal Printer* to print *Call4Sure* receipts and phone lists.
- Develop special applications (User software and interface development may be required).
- Includes a RJ45/RS232 adapter cable.



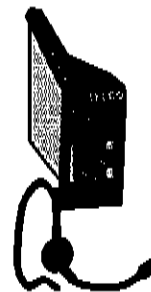
CONTACTS (Contact Closure):

- Each Module supports up to 4 buttons/contacts.
- SPDT Connections
- Normally Open (NO) or Normally Closed (NC) programmable contacts.
- 25 Feet (7.6m) of Cable and Contact Breakout Box include.



TELCO (Telephone Communications):

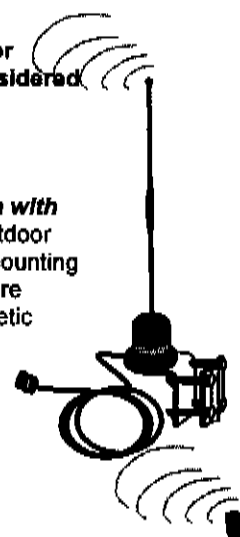
- Page and send messages from a in-house phone line to individual and groups of *Pagers*.
- Use with *Call4Sure* functions to send messages to cellular phones.
- Requires a dedicated analog phone/fax line for each *TELCO Module* installed.
- Calls IN or OUT queue as needed. No lost calls.
- Customize voice messages and monitor calls using the included *Headset with Mic*.
- Multiple *TELCO Modules* can be used in high traffic environments to eliminate busy signals



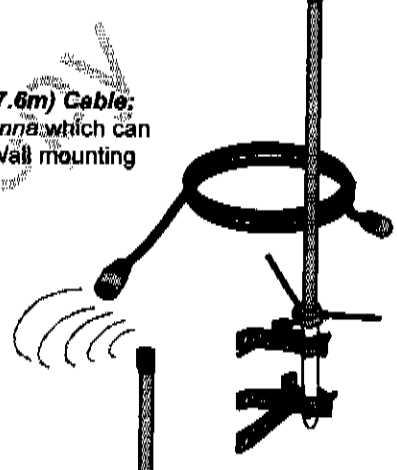
Antenna Choices to Extend Range
(Requires FCC approval and licensing)

— current Desktop controller is for indoor use. Outdoor antenna function is not considered at this time

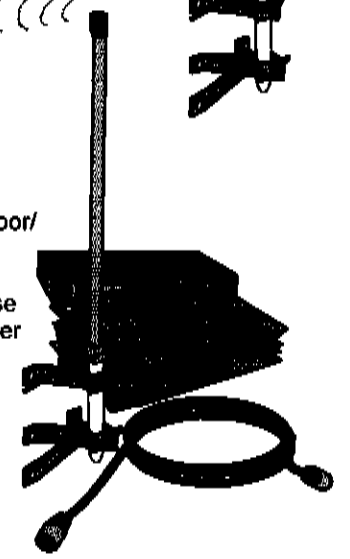
- **3 Ft (0.9m) Magnetic Mount Antenna with 12ft (3.6m) Cable:** All metal indoor/outdoor Antenna with a magnetized base for mounting to steel or iron. Wall mounting hardware include for wall mounting to non magnetic surfaces.



- **6ft (1.8m) Antenna and 25ft (7.6m) Cable:** Fiberglass indoor/outdoor Antenna which can mount to any stable surface. Wall mounting hardware included.



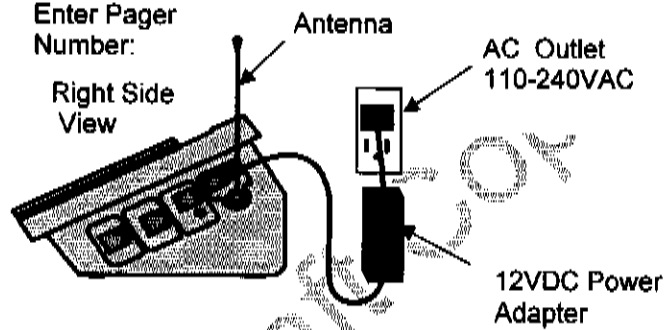
- **Extended Range Antenna Kit:** Includes a 6ft (1.8m) fiberglass indoor/outdoor Antenna, 35watt Power Amplifier, Power Supply and 50ft (15m) or 100ft (30m) Cable. Increase the output of the IntelFlex's Controller to 35 Watts and range of up to 5 miles (8km).



Connect your system for testing.

1. Connect the *Antenna* and point upward (vertical).
2. Plug in the *AC Power Cord* into the *Adapter*.
3. Plug the *Adapter* into the *IntelFlex Controller*.
4. Plug the *AC Power Cord* into a 120VAC outlet.
5. When powered and ready, the *Controller* will go through it's internal testing and the display will show several comments including:

- Initialization Process..
- Base Station Connecting .
- Receiving config data .
- Enter Pager Number:



6. When the "Enter Pager Number:" comment appears, the Controller is ready for use.

Paging a Pager (All Pager Types):

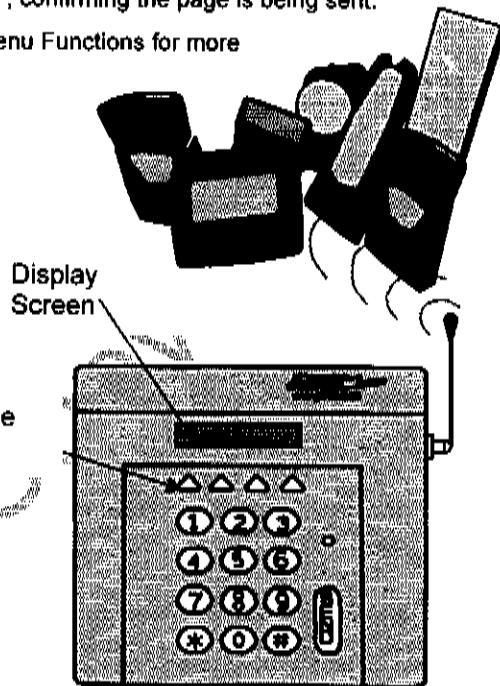
1. Remove the *Pager* you wish to page from the *Charging Rack* (if not using rechargeable Pager, make sure it is turned ON).
2. Enter the number of the *Pager* you wish to page on the *Controller*.
3. Press # or "SEND" to send the page.
4. The XMIT light on the *Controller* will turn ON, and the display will show "Sending WO Message Now...", confirming the page is being sent.
5. See "Enter Pager Number:" Menu Functions for more information.

Sending Canned Messages:

1. To be defined
2. To be defined
3. To be defined
4. To be defined
5. To be defined

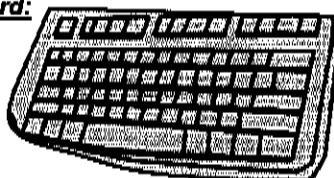
DRAFT

Canned Message Buttons



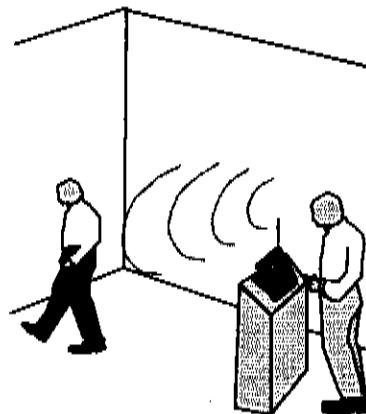
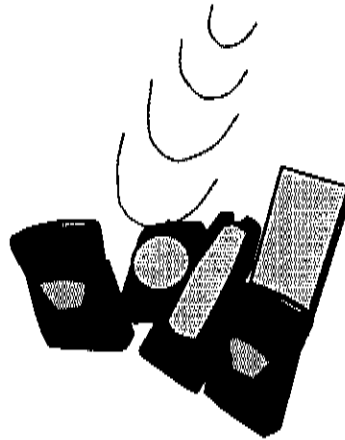
Paging from the USB Keyboard:

1. To be defined
2. To be defined
3. To be defined
4. To be defined
5. To be defined



Range Testing the IntelFlex Controller (Use Guest Pagers Only)

1. Once installed and powered, the *Controller* will display "Enter Pager Number:".
2. Enter **9990#** on the keypad.
3. The *Controller* responds with "Send Range Test" and begins range testing.
4. The *Controller* sends a page every 5-6 seconds to all *Pagers* placed in Group 99 or *Pager* number 1 (factory defaults). See *Dynamic Group* for additional information. Use Guest Pagers only, *Wait Staff Pagers* cannot be used for range testing this *Controller*.
5. *Pagers* need to be fully charged or have fresh batteries installed.
6. Slowly walk the surrounding area with the *Pager*.
7. Check that the *Pager* continues to alert with a tone.
8. Changing the *Controller* location or moving surrounding objects may effect range results.
9. If the *Pager* no longer alerts, walk back slowly toward the *Controller* until the *Pager's* alert begins again. Mark this spot as the maximum range of the *Controller* in this direction and continue to check the remaining area.
10. Press any button on the keypad to end the range test.
11. When pressed, Display will show "Range Test Stopping in 3 seconds".



Range Testing

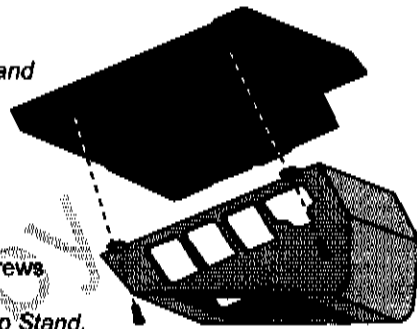
Mounting the Controller with Desktop Stand

- The IntelFlex Controller can be used on a counter, desktop or wall.
- Use the optional Wall Mount bracket to mount to a steep incline or vertical surface.
- The best location is in clear view of the paging area.
- Mounting near walls, pipes, ducts, mirrored glass, etc. may weaken or misdirect signals.
- Locate the Controller away from liquids and extreme heat.
- The Controller is shipped from the factory with the *Desktop Stand* already installed and ready for desktop (horizontal) use.



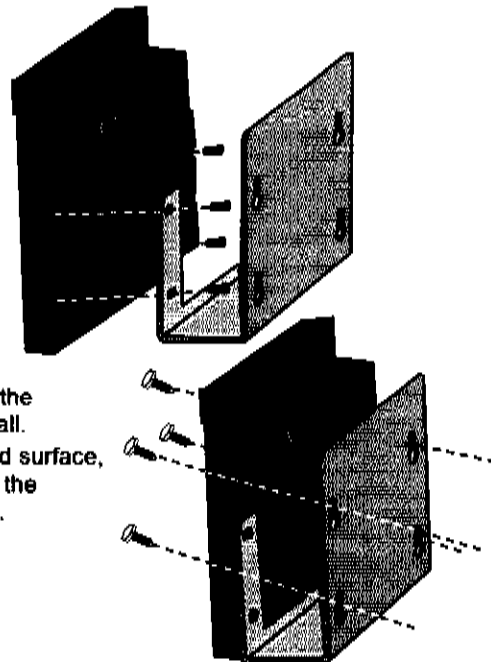
- Installing the Controller with *Desktop Stand* on a steep incline surface is not recommended. The Controller may slide or fall from the location.
- To install on a vertical surface, replace the *Desktop Stand* with the Wall mount housing.

- Remove the 4 Phillips head screws from the back of the Controller.
- Tilt out and remove the *Desktop Stand*.
- Install the Wall Mount Bracket and the 4 Phillips heads screws.
- Tighten all screws.



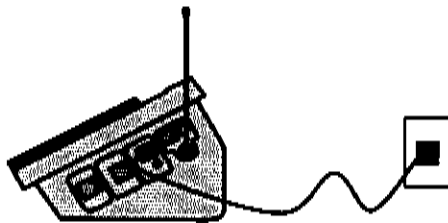
Mounting the Controller: Wall Mount

- To mount the Wall Mount Bracket to a wall:
 - Using the drill template, mark and drill pilot holes for the mounting screws.
 - Screws are user supplied. Select proper drill size for the mounting screws selected.
 - Once pilot holes are drilled, and anchors installed screw the *Wall Mount Bracket* to the wall.
 - For use on a incline or sloped surface, secure to the surfaces using the supplied mounting hardware.

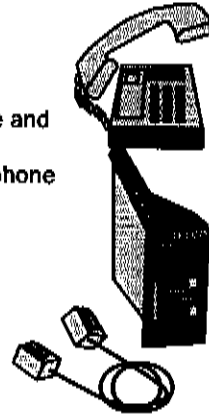


Connecting the TELCO (Telecommunications) Module for Phone connections.

1. Verify that a TELCO Module has been installed in your Controller. The Module can be installed into any of the expansion slots.
2. Connect the supplied RJ11 Cable to the TELCO Module and the other end to a dedicated (analog) telephone line.
3. Up to 6 TELCO Modules can be installed to 6 different phone lines if needed. Each one independently controlled.



Telephone
(Analog) Line



Paging a single pager using the telephone:

1. Pick up the phone and listen for the dial tone.
2. Dial the phone number that has been assigned to the TELCO Module installed.
3. Listen for a voice message from the telephone that confirms the Controller is ready.
4. Within 8-10 seconds, use the telephone keypad:
 - a. Enter the Pager number (up to 4 digits).
 - b. Press the * key.
 - c. Enter a numeric message, if desired (16 digits maximum).
 - d. Press the # key to send the page.
5. A voice message heard on the phone confirms the message was sent.
6. Hang up the telephone.



Group Paging using the telephone: Group information can be preprogrammed into the *Pagers* at your Distributor's site or JTECH. "Dynamic" Groups can be programmed by the user. See "Add a *Pager* to a Dynamic Group" on page 36 for more information.

1. Pick up the telephone and listen for the dial tone.
2. Dial the telephone number that has been assigned to the Telco Module installed.
3. Listen for a voice message that confirms the Controller is ready.
4. Within 8-10 seconds, use the telephone keypad:
 - a. Press the * key.
 - b. Enter the Group number (1-99) to page. Also see "Dynamic Group" programming for more information.
 - c. Press the * key.
 - d. Enter a numeric message, if desired (16 digits maximum).
 - e. Press the # key to send the page.
5. A voice message heard on the phone verifies that the message was sent.
6. Hang up the telephone.



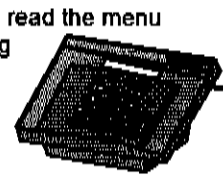
Connecting the Telco Module

Paging using the Telephone

Telco Board location: If more than one TELCO module is installed in the Desktop Controller, the module to be used for Call4Sure must be in the #1 slot of the Controller.

Detailed Call4Sure Menu Information: Instructions on how to read the menu information described in this manual is as described on following pages.









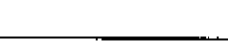
As shown:



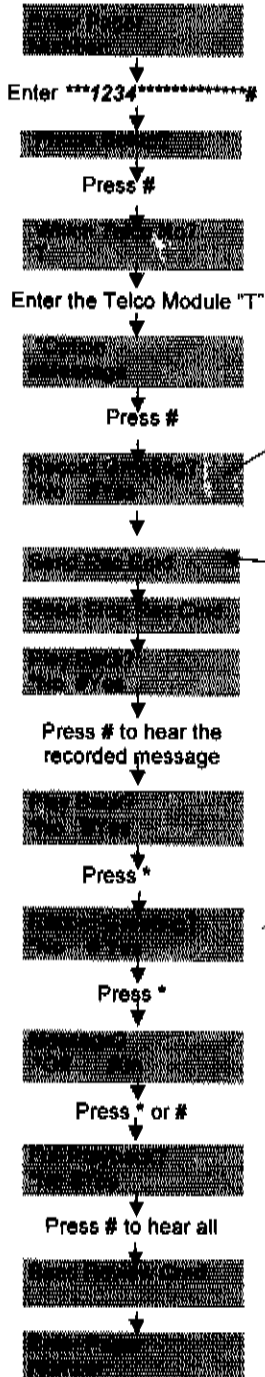
- Information shaded is what will appear on the *IntelFlex Controller* display.
- Follow the menu arrows to the next step.
- **BOLD Italics** is information that needs to be entered on the *IntelFlex Controller*.



- "Enter Pager Number:" is the "Home Position" of the *Controller* display.

<p>Set Call4Sure Options</p> <p></p> <p>↓ Enter</p> <p>***1234***#</p> <p></p> <p>↓ Press #</p> <p></p> <p>↓</p> <p></p> <p>↓ Press *</p> <p></p> <p>↓ Enter Selection * or #</p> <p></p> <p>↓ Enter Selection * or #</p> <p></p> <p>↓</p> <p></p> <p>↓</p> <p></p>	<p>Start at the <i>Controller</i> display "Home Position"</p> <p>Press * until "Password" appears on the display. Enter "1234" and continue to press * until "Phone Set UP?" appears.</p> <p>Press # to select Phone Setup.</p> <p>T= Telco Modules available In Slots listed.</p> <p>Factory settings: Number of Seats = OFF Smoking Preference = OFF Dial 90. = OFF</p> <p>If your phone system requires a 9 to dial out, press # turn ON or * to turn OFF the option.</p> <p>If smoking seats are available at this location, press # to turn ON or * to turn OFF the option. If turned ON, this information will print on the printer.</p> <p>To track the number of seats needed, press # to turn ON or * to turn OFF #Seats. If turned ON, this information will print on the printer.</p> <p>Once complete, the Controller will reset and return to the "Enter Pager Number:"</p> <ul style="list-style-type: none"> • When controller is first powered ON or when Controller changes have been made the printer will say "Thank You for choosing JTECH".
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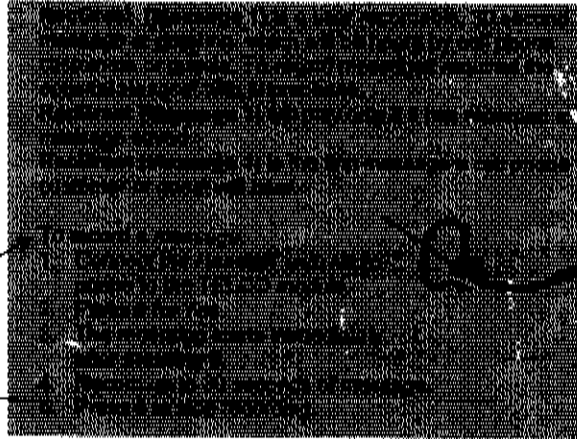
Set Call4Sure Messages



To record or turn On or OFF messages:

Start at the display "Home Position"

Press * until "Password" appears on the display. Enter "1234" and continue to press * until "Phone Set UP?" appears.



To erase greeting (message 1)

At the Record Greeting? display Press ##. This records the shortest possible blank message and erases any old message.

Factory settings: Message 1 = Empty
Message 2 = ON

Message 2 is "Your table is ready".

Message 2 is permanently recorded message and cannot be recorded over.

Message 2 can be turned Off or ON.

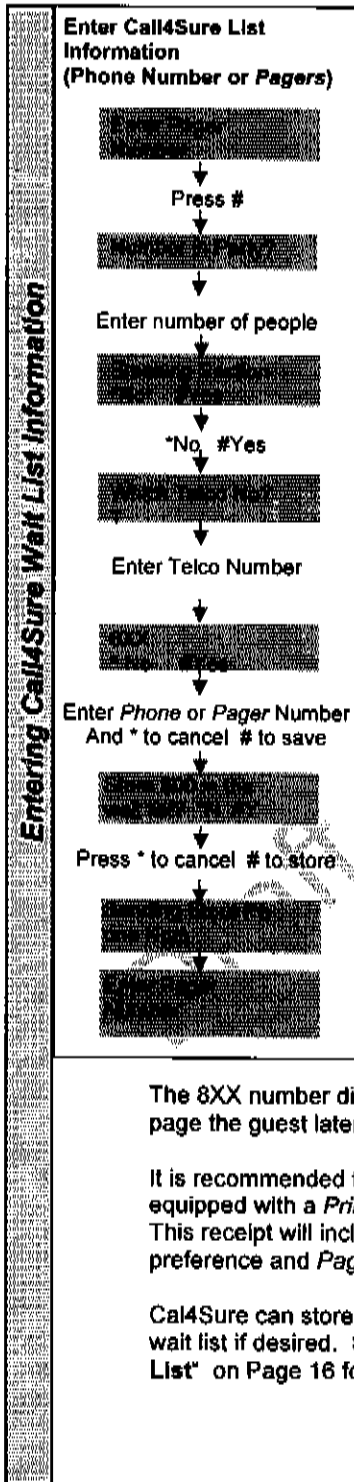
Press # to turn ON or * to turn OFF the message.

Message 3 is "Please press 1 to accept or press 2 to decline, Thank You".

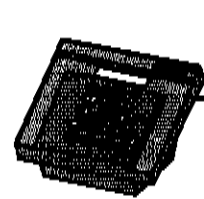
Message 3 is permanent message and cannot be recorded over.

Message 3 cannot be turned OFF.

Press # to hear all messages as they will be played on the phone.



Press # on the *Controller Keypad*.



If Seats and or Smoking options have been turned ON, questions appear on the display.

Select the phone line used at the "Which Telco No?"
T= Telco Modules available in positions listed.

The *Controller* will display the next available ID number.
ID Numbers are 800-899.

At the 8XX display, enter the *Pager* (4 or less digits) or cellular phone number.

If entering a phone number, enter exactly as it would be dialed. Include "1" for long distance and area code if needed.

Use the * button to back up and correct phone number information if needed.

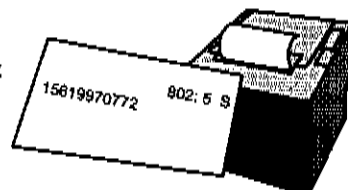
It is recommended to mark the displayed 8XX number next to guest information on wait list sheet for reference.

Wait List			
Name	#	QTY	S
David	800	4	NS
Jack	801	3	NS
Joanne	802	5	S

The 8XX number displayed will be used to call or page the guest later.

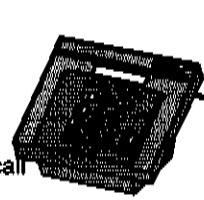
It is recommended for ease of operation that the system be equipped with a *Printer*. It will automatically print out a receipt. This receipt will include the 8XX number, number of guests, smoking preference and *Pager* or phone number.

Call4Sure can store and print the complete wait list if desired. See "Printing the Wait List" on Page 16 for more information.

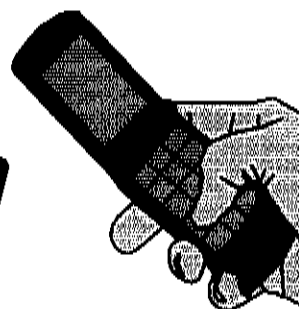


To Call or Page a Guest:

1. Enter their 8XX number and press #.
 2. The *Controller* will page the *Pager* or dial the phone number for that entry.
 3. The *Controller* display will show the status of the call or page. The displayed status can include:
 - Num Snd
 - Go OFF Hook
 - Dialing
 - Wait for answer
 - Playing Message
 - Response = Accept
 - Response = decline
 - No Response
 4. The *Controller* must complete a page or call before doing anything else, however it will store (buffer) up to 20 keystrokes. A keystroke is a single push of a *Controller* button. For example; to call or page guest 802 would require 4 keystrokes; 802 and #.
 5. Once the *Controller* has completed the page or call, it will process any keystrokes pressed and stored into memory while it was busy.
- The *Controller's Call4Sure* list allows for 100 entries that are stored in locations 800 to 899. If all entries have been filled, the *Controller* will start over at entry 800, erasing any previous information as new information is entered.
 - Entries cannot be individually erased by the user. However, all entries can be erased at one time. See "Erasing the *Wait List*" on page 26 for more information.
 - To best organize the *Call4Sure* list, erase it at the start of the day. If so done, printing the *Call4Sure List* will then only show that day's entries.
 - Never use *Pagers* with ID's 800-899 as they will interfere with the *Call4Sure List* use.
 - If a 8XX number is called that is not on the *Call4Sure List*, the display will show "Invalid Phone No".



Wait List			
NAME	#	CITY	
David	800	4	NS
Jack	801	3	NS



Printing the Call4Sure Wait List

Printing the Wait List

- Printing a *Call4Sure* list will show all entries currently in the list.
- This function makes for easy viewing of all entries.
- The list will also show the status of either the phone or pager user.
- When *Controller* is powered on or when complete changing options printer will say "??Thank You for choosing JTECH".

Erasing the Call4Sure Wait List

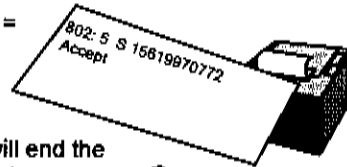
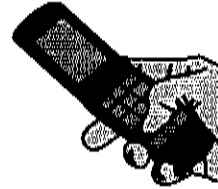
Erasing the Wait List

- Erasing the *Call4Sure* list clears all entries.

BXX Number	Number of Guests	Smoking Preference	Phone or Pager # Response
800:	02	NS	9970772 Accept
801:	04	S:	19549970772 No Answer
802:	03	NS:	18003218221: No Response
803:	07	NS:	27 Paged
804:	01	NS	24 Paged
805:	07	S:	14 Paged
806:	04	NS	9970772 Accept

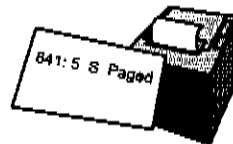
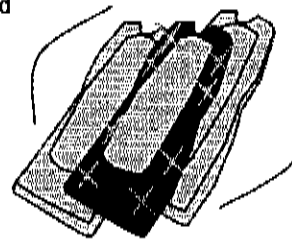
Receiving a Cellular Phone Call: When a guest has been called:

1. The guest must respond with "hello" or any sound for the controller to play messages. Without a reply, the *Controller* will stop the call, display "NO Response" and print out the status.
2. The *Controller* plays the message 1 and message 2 (if required).
3. The *Controller* plays message 3, asking the caller to accept or decline.
4. From the guest's cellular phone, pressing "1" = accept or "2" decline. Pressing anything other than "1" , or "2" is equal to "No Response".
5. If the guest does not answer, the *Controller* will end the call, display "NO Answer" and print out the status.
6. The guest or customer's response is recorded and will also appear when the *Wait List* is printed.



Receiving a Page: When a guest has been paged:

1. The *Pager* will vibrate, tone, flash, and or respond with a voice message as required.
2. The *Controller* will display "NUM SND" and the *Pager* number.
3. The page is recorded and will also appear when the *Wait List* is printed.



Receiving a Call
Receiving a Page

Programming For The RS232—JTECH Protocol:

To communicate with the *Controller*, the computer software must send RS232 1200 baud message information using the following protocol.

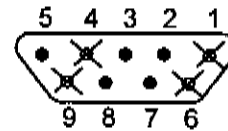
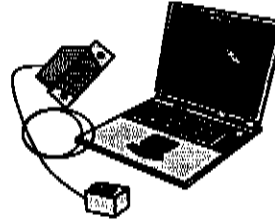


RS232 Baud Rate And Settings

1200,N,8,1 (1200 Baud, No Parity, 8 Data Bits, 1 Stop Bit).

RS232 Handshaking-Request To Send (RTS) - Clear To Send (CTS)

- The *Controller* uses CTS to allow data out of the Host output buffer.
- The *Controller* does not monitor RTS.
- The *Controller* requires the host to stop sending data immediately, when CTS signal switches from high to low. Incoming data is not monitored while CTS signal is low.
- High-speed serial port drivers may continue to send data after CTS signal is switched to low. This condition causes data to be lost. Serial port drivers having settings for the amount of buffered data should be set to 0.



7 Digit Message Format: Contains six parts:

- | | |
|--------------------------|----------------------------------|
| 1. Preamble (3 bytes) | 4. Separator (1 byte) |
| 2. Function Bit (1 byte) | 5. Pager Message (120 bytes max) |
| 3. Cap Code (7 bytes) | 6. Terminator (1 byte) |

Preamble: Is a 3 character hex string that supplies start up synchronization "padding" between messages (N, an output buffer, and information to the *Controller*, that a message is coming. The Preamble is [Chr\$(255)].

Function Bit: The Function Bit is the single hex character following the preamble. This character tells the *Controller* which bit to turn ON in the POCSAG message sent. Characters are:

- (Hex 01) Non Priority Alert for *Numeric Pagers*.
- (Hex 02) Priority Alert for *Numeric Pagers*.
- (Hex 03) Non Priority Alert for *Alphanumeric Pagers*.
- (Hex 04) Priority Alert for *Alphanumeric Pagers*.

Cap Code: Cap Code is a seven digit data string which contains the address information of the *Pager* to be used.

Cap Code Prefix: Is the first 3 digits of the Cap Code. **ONLY Cap Code Prefixes of 000 and 008-199 are allowed.** If the first 3 digits of the *Pagers* cap code are [000], the *Controller* will convert the last 4 digits (*Pager* number) of Cap Code by multiplying by 8.

Example: Cap code information sent to the *Controller* = [0000111].
The *Controller* sends to the *Pager* address [0000888].

If the first 3 digits of the *Pagers* cap code are **not** [000], the *Controller* will send the Cap Code information as sent.

Example: Cap code information sent to the *Controller* = [1230111].
The *Controller* sends to the *Pager* address [1230111].

Separator: A separator is used between the Cap Code and the message sent. It supplies information as shown in the table.

Messages:

- **Alphanumeric Pagers** can be sent a maximum of 120 alpha characters (using separator Chr\$(02) or Chr\$(0A)).
- **Numeric Pagers** can be sent a maximum of 16 numeric characters (using separator Chr\$(0B) or Chr\$(03)).
- **Glowster, CommPass, ParentPass or Patron** use message characters as controls.
- **PeoplePass (programmed without Groups)** use message characters as controls.

Example: To send default alert three to a *Glowster or CommPass*, send the hex string to the *Controller*: FF FF FF 01 3P 3P 3P 3P 3P 3P 03 0D] where PPPPPP is the 7 digit *Pager* number. See Cap Code for more information.

Example: To send an alert, other than the default, send the hex string to the *Controller* [FF FF FF 01 3P 3P 3P 3P 3P 3P 03 3A 3A 0D] where PPPPPP is the 7 digit *Pager* number and AA is the alert.

Alerts	AA	3A,3A	Alert type
	31	33, 31	Alert 1 – one alert of 15 seconds total.
	32	33, 32	Alert 2 – two alerts for 30 seconds total.
	33	33, 33	Alert 3 – three alerts for 45 seconds total.
	34	33, 34	Alert 4 – four alerts for 60 seconds total.
	35	33, 35	Alert 5 – sixty alerts for 15 minutes total.
	36	33, 36	Alert 6 - Demo alert 1 for 5 seconds total.
	37	33, 37	Alert 7 - Demo Alert 2 for 7 seconds total.
	38	33, 38	Alert 8 - Range Test Alert.
	39	33, 39	Alert 9
	30	33, 30	Alert 0 - Group Alert.

The first '33' in the message is used as a filler and can be any ASCII numeric digit.

Terminator: The terminator marks the end of message. The terminator character is the Chr\$(13) or Hex 0D.

Example Of Visual Basic Code: Below is a sample section from a Visual Basic program. This example produces a non-inverted, non-priority page sent to a 512 baud **Alphanumeric Pager**.

```

MSComm1.PortOpen = True                               (Opens serial port for communication)
Preamble = Chr$(255) & Chr$(255) & Chr$(255)
FBit = Chr$(03)                                       (Set Function bit #3 (non-priority for Alpha))
Cap Code = "1236789"                                  (where '123' is the cap code prefix and '6789' is the Pager number)
Separator = Chr$(10)                                  (This is an Non Inverted, 512 RF baud, Alpha Page)
PagerMessage = "This is a test Page"
Terminator = Chr$(13)
OutPutString = Preamble & Fbit & CapCode & Separator & PagerMessage & Terminator
MSComm1.Output = OutPutString
    
```

Example of Hex Data Stream Into Controller:

[FF FF FF 03 31 32 33 38 37 38 39 0A 54 48 49 53 20 49 53 20 41 20 54 45 53 54 20 50 41 47 45 0D]

Example Data Stream reads as:

| P | F | Cap Code:1236789 | S | Message: THIS IS A TEST PAGE | T |

P = Preamble

F = Function Bit

Cap Code = Seven Digits (the 3-digit cap code prefix should match the cap code prefix stored in the Controller; the remaining 4 digits represent the Pager number)

S = Separator

Message = A maximum of 120 alphanumeric or 16 numeric characters (Function Bit determines alphanumeric or numeric)

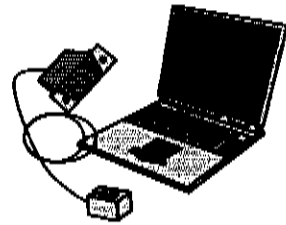
T = Terminator

Programming For The RS232—JTECH Protocol:

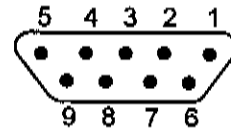
To be Defined



To be Defined



To be Defined



To be Defined

Draft Copy

Programming For The RS232—JTECH Protocol:

To be Defined

To be Defined

To be Defined

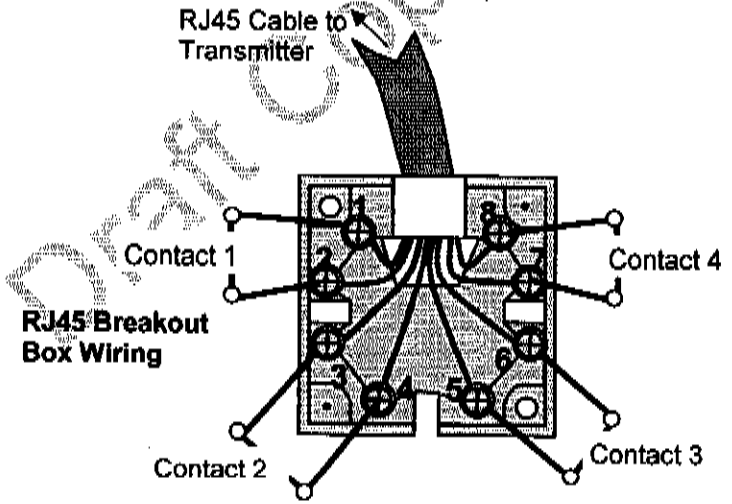
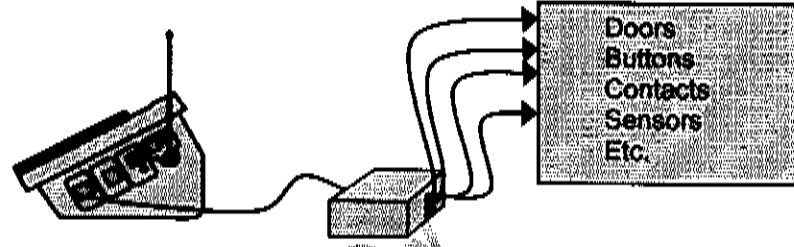
To be Defined

Draft Copy

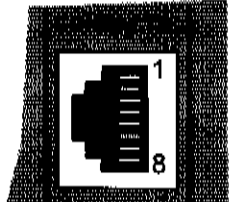
Programming for the RS232 Module TAP Protocol

CONTACTS (Using remote contacts to send pages (CONTACTS Module Required))

- 1. Verify that a CONTACTS Module has been installed in your Controller. The Module can be installed into any of the controllers expansion slots.
- 2. Up to 6 Contacts Modules can be installed to if needed.
- 3. Each CONTACTS Module has the ability to control 4 individual contacts; doors, buttons, sensors, etc



CONTACTS RJ45 Jack Identification:
***Caution* Pins 2, 4, 6 and 8 are chassis ground**



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Settings
 Password
 Display
 Menu
 Enter Pager Number
 Enter Group Number

Controller Settings And Functions

- Settings and functions are programmable by entering information into the Controller.
 - From the Controller keypad, press the * key to scroll down through the options.
 - Press # to select a displayed function.
 - Press 0 to move up through functions.
 - If information, other than what is required is entered, the display will show 'Invalid' and then return to 'Enter Pager: display'
- To exit the settings and functions menu, enter ** on the keypad.

Password

To protect system settings, most menu selections are password protected. The factory default password is "1234." Password can be changed if desired.

Display Screen

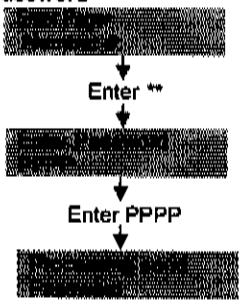
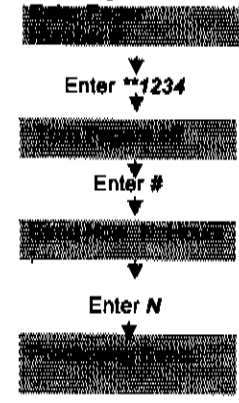

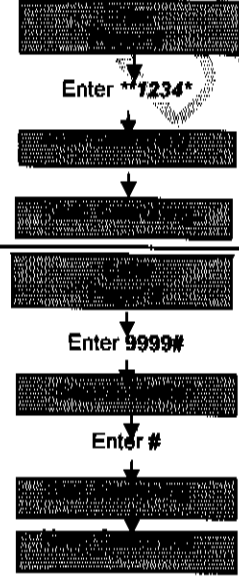



"Enter Pager Number:" is the 'Home Position' of the Controller display. See Password and Change Password? for more information.

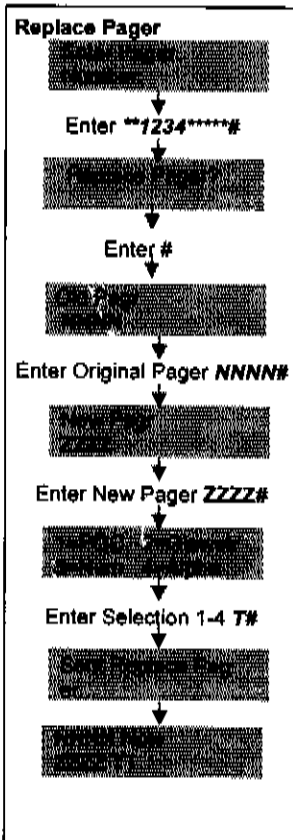
Detailed Menu Information: Instructions on how to read the menus is as follows:

- Information shaded is what will appear on the Controller display.
 - Follow arrows to the next step
- BOLD Italics*** is information that needs to be entered on the Keypad

<p>Enter Pager #</p> <p>↓</p> <p>Enter <i>NNNN#</i></p> <p>↓</p> <p>Enter <i>NNN*MMMMMM#</i></p> <p>↓</p>	<p>"Home" position of the transmitter.</p> <p>Vibe/Tone/Flash Pagers Enter the Pager number and #.</p> <p>Numeric Pagers Enter Pager number, *, optional 16 digit numeric message and #. <i>To cancel a page before it was sent Enter **.</i> <i>NNNN =Pager Number</i> <i>MMMMMM = Message</i></p>
<p>Enter Grp #</p> <p>↓</p> <p>Enter *</p> <p>↓</p> <p>Enter <i>GG</i></p> <p>↓</p>	<p>Pages a Group of Pagers (if programmed).</p> <p>See <i>Group</i> for more information. <i>GG = Group Number</i></p>

<p>Password</p> 	<p>Enter the Password to access menu options.</p> <p>See <i>Password</i> for more information. Password (factory default) is 1234.</p> <p><i>If Telco Module is installed 3 * (***) must be pressed to get to password screen.</i> PPPP = Password</p>	Password
<p>Turn Off Pagers?</p> 	<p>Turns OFF all Pagers not charging in charger racks. Works with: <i>Install Call Vibe/Tone Pagers.</i></p> <p>Controller sends a "Over the Air" signal which turns the Pagers OFF.</p>  <p>Entering 0-9 while the display shows will change the delay of the Controller. The delay is measured from the last page sent from the Controller.</p> <p>Factory default is set a 0 hours and the Controller will send the Pager OFF command immediate.</p> <p>Entering 1-9 at this screen will delay the Pager turn OFF signal from 1-9 hours.</p>	Turn Pagers Off
<p>Search Mode</p> 	<p>Sends a repeating page to Pagers.</p> <p>Works with: <i>Glowster Pagers.</i> <i>CommPass Pagers.</i> <i>PatronPass Pagers.</i> <i>ParentPass Pagers.</i> <i>PeoplePass Pagers.</i></p> <p>Controller will send a page to all Pagers within range. Pagers charging in the Charging Rack will not respond.</p> <p>Allows user to find misplaced Pagers.</p> <p>Press * to cancel Search Mode.</p> 	Search Mode

Send All Call	<p>Send All Call</p> <p>↓</p> <p>Enter **1234**</p> <p>↓</p>	<p>Sends a page to all Pager at the same time.</p> <p>Works with:</p> <ul style="list-style-type: none"> <i>InstaCall Vibe/Tone Pagers.</i> <i>Glowster Pagers.</i> <i>CommPass Pagers</i> <i>PatronPass Pagers</i> <i>ParentPass Pagers</i> <i>PeoplePass Pagers</i>
	<p>Send All Call</p> <p>↓</p> <p>Enter 9996#</p> <p>↓</p>	<p>Command can also be found in the menu functions.</p>
Default Vibes	<p>Default # of Vibes?</p> <p>↓</p> <p>Enter **1234**#</p> <p>↓</p> <p>Enter A</p> <p>↓</p>	<p>Adjusts the number of alerts the Pager produces.</p> <p>Works with:</p> <ul style="list-style-type: none"> <i>Glowster Pagers</i> <i>CommPass Pagers</i> <i>PatronPass Pagers</i> <i>ParentPass Pagers</i> <i>PeoplePass Pagers</i> <p>Allows user to change set the number of alerts from 1 to 5 (factory default is 3)</p> <p>A = Programmed # of Vibes 1-5</p>
	<p>Out Of Range (ON)</p> <p>↓</p> <p>Enter **1234**#</p> <p>↓</p> <p>Enter #</p> <p>↓</p>	<p>Turns ON/OFF the Out of range function of the Controller.</p> <p>Works with:</p> <ul style="list-style-type: none"> <i>Glowster Pagers</i> <i>PatronPass Pagers</i> <i>CommPass Pagers</i> <i>ParentPass Pagers</i> <p>When Out Of Range is ON, the Controller sends a signal every 10 seconds.</p> <p>If Out Of Range is ON, any Pager moved outside the Controller paging range will respond with a Out Of Range Tone or Voice message if available).</p> <p>When the Pager is brought back within Transmitter range the Out Of Range Tone or Voice message (if available) will stop.</p> <p>See <i>Range Testing</i> to identify maximum Transmission range.</p> <p>Command can also be found in the menu functions.</p> <p>Also use 9996# to turn Out Of Range ON.</p> <p>Also use 9997# to turn Out Of Range OFF.</p>
<p>Out Of Range (OFF)</p> <p>↓</p> <p>Enter **1234**#</p> <p>↓</p> <p>Enter #</p> <p>↓</p>		
Out Of Range		



Changes Pager numbers.
 The new Pager is paged when the original Pager number is entered. Example: If Pager 1 Numeric was changed to Pager 2 POC, display will show:

To repeat the replace Pager operation, press # again.

Remove changed Pager numbers.
 To remove an entry and return the Pager to its original Pager ID, at the display:

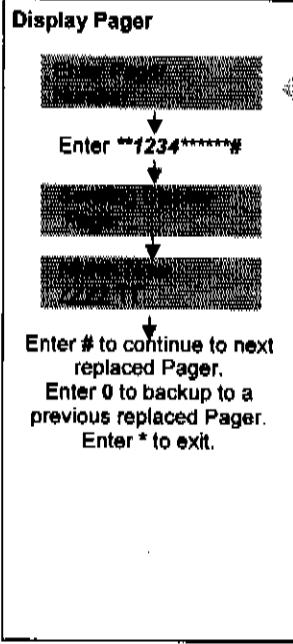
Enter original Pager number **NNNN #**

Enter **0#**

Exit the menu by pressing the * key at any time.

T= Selection: 01=Pocsag Vibe/Tone Pager
 02=Glowster/CommPass
 03=Numeric Pager
 04=Alphanumeric Pager

NNNN=original Pager ZZZZ=new Pager TT= Pager Type



Displays changes to Pager numbers done with the Replace Pager command.

Example: If Pager 1 Numeric was changed to Pager 2 POC Vibe, display will show:

To repeat the display Pager operation, press # again.














NNNN=original Pager ZZZZ=new Pager TT= Pager Type

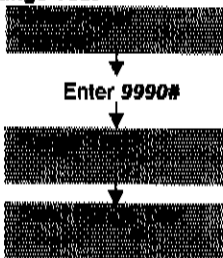

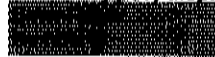
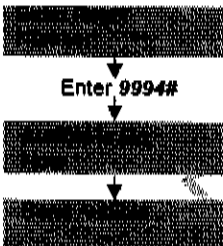
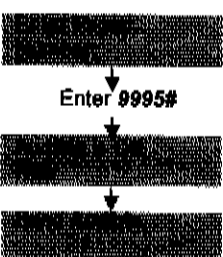
Replace a Pager

Display Pager

Add a Pager To a Group	<p>Add Pgr to Grp?</p> <p>Enter **1234*****#</p> <p>Enter #</p> <p>Enter Group XX#</p> <p>Enter Pager NNNN#</p> <p>Enter Selection T#</p>	<p>Adds a Pager to a Dynamic Group.</p> <p>A Dynamic Group is 2 or more Pagers which are linked together by the controller user. This link is done by the Controller, with the information being entered through the keypad. Once linked, a single (Group) page can be used to page 2 or more Pagers. When a Group page is sent, the Controller will page each Pager sequentially.</p> <p>See Group Page for more information.</p> <p>The Controller has the ability to hold 90 different Dynamic Groups and a total of 500 Pager numbers.</p> <p>Dynamic numbers are 10-99.</p> <p>Group numbers 1-9 are reserved for factory use and cannot be programmed at the Controller keypad. Groups may have mixed Pager types.</p> <p>Until a Group Page is complete, the Controller cannot be used for other pages. Time to complete a Group page increases with the number of Pagers within that group.</p> <p>T = Selection 1-4: 01=Pocsag Vibe/Tone Page 02=Glowstar/CommPass 03=Numeric Pager 04=Alphanumeric Page</p>
Remove a Pager From a Group	<p>Remov Pgr fm Grp?</p> <p>Enter **1234*****#</p> <p>Enter Group XX</p> <p>Enter Pager NNNN</p>	<p>Remove a Pager from a Dynamic group.</p> <p>Removes a Pager from an existing Dynamic Group.</p> <p>See Add a Pager to a Group and Groups for more information.</p> <p><i>To repeat the remove Pager operation, press # again.</i></p> <p><i>To Exit, press * button.</i></p> <p>NNNN=Pager Number XX =Pager Group</p> <p>Attempting to remove a pager from a group which was not found will display:</p> <p style="text-align: center;">[REDACTED]</p>

<p>Display Group?</p> <p>Enter **1234*****#</p> <p>Enter Group GG</p> <p>Enter # for Next Pager Enter 0 for previous Pager</p>	<p>Display Pagers in a Dynamic Group. Displays Pagers of a specific Dynamic Group.</p> <p>To view next Pager in the Dynamic Group, press # again.</p> <p>After last Pager is displayed, pressing # will show:</p> <p>Press 0 to view previous Pager in the Dynamic Group.</p> <p>To Exit, press * button.</p> <p>GG=Pager Group NNNN=Pager Number TT=Type Of Pager</p>	Display Groups
<p>Active Groups?</p> <p>Enter **1234*****#</p> <p>Enter # view next Enter 0 view previous</p>	<p>Display Dynamic groups in use. Used to display all Dynamic Groups that have been created.</p> <p>To view next Group in the active Dynamic Groups, press # again.</p> <p>After last Group is displayed, pressing # will show:</p> <p>Press 0 to view previous Dynamic Group. To Exit, press * button.</p> <p>GG=Pager Group</p>	Active Groups
<p>Power Level?</p> <p>Enter **1234*****#</p> <p>Enter #</p> <p>Enter Y</p>	<p>Changes Controller Power Output. Changes the output power level of the Controller.</p> <p>Settings are 1-5. Factory default setting is 5 (maximum).</p> <p>Used to increase/reduce signal output, limiting Transmitter range.</p> <p>See Out Of Range for more information.</p> <p>1 = Minimum = Approx 0.1 watt 2 = Approx 0.4 watt 3 = Approx 0.8watt 4 = Approx 1.4watt 5 = Maximum = 2.0watt</p> <p>Range may vary depending on installation.</p> <p>See installation for more information.</p> <p>V.VV = JTECH Software Version displays at reset.</p>	Power Level

Change Password	<p>Change Password?</p>  <p>↓</p> <p>Enter **1234*****#</p>  <p>↓</p> <p>Enter #</p>  <p>↓</p> <p>Enter <i>www</i></p>  <p>↓</p> <p>Enter <i>www</i></p>  <p>↓</p> 	<p>Changes the Controller menu password.</p> <p>See <i>Password</i> for more information.</p> <p>Password is 4 digit number.</p> <p>Password (factory default) is 1234.</p> <p><i>www</i>= New Password</p>
End of Table	<p>End of Table</p>  <p>↓</p> <p>Enter **1234*****#</p>  <p>↓</p> 	<p>Last screen display in Menu options.</p> <p>Press 0 button to go back through menu options.</p> <p>Otherwise, press * to exit menu options and return to the "Enter Pager #" display.</p>
Multi Vibe	<p>Multi Vibe</p>  <p>↓</p> <p>Enter 0</p>  <p>↓</p> <p>Enter #</p>  <p>↓</p> 	<p>Controller sends different alternate alert commands to Pagers.</p> <p>Works with:</p> <p><i>Glowster Pagers.</i></p> <p><i>CommPass Pagers.</i></p> <p>7 different alert types can be sent from the Controller.</p> <p>Factory Default = 3.</p> <p>Alert 1 = 1.5 second Vibe + Voice (if available)+13.5 sec Flash –Total =15 sec.</p> <p>Alert 2 =Alert 1 repeated 2 times. Total =30sec.</p> <p>Alert 3 = Alert 1 repeated 3 times. Total =45 sec (default).</p> <p>Alert 4 = Alert 1 repeated 4 times. Total =60 seconds.</p> <p>Alert 5 = Alert 1 repeated 60 times. Total = 15 minutes.</p> <p>Alert 6 = 1.5 sec Vibe + 3.5 sec Flash. Total 5 sec.</p> <p>Alert 7 = 5 beeps.</p> <p>To Exit, press * button.</p> <p>To change factory default of 3 see <i>Default # Vibes</i> for more information.</p> <p>NNNN=Pager Number A=Alert Number 1-7</p>

<p>Range Test</p> 	<p>Sends a page to all Pagers in Group 99 sequentially.</p> <p>Works with: <i>InstaCall Vibe/Tone Pagers.</i> <i>Glowster Pagers.</i> <i>CommPass Pagers.</i></p> <p>Controller will send a page to Pager #1 (factory default) and any Pagers in Group 99 every 4 seconds. Press any button to quit.</p> <p>See <i>Group</i> instructions for more information.</p> <p>See <i>Range Test The Controller</i> for more information.</p> <p>Command can also be found in the menu functions.</p> <p>Press any key to cancel range test. Display will show:</p>  <p>Once stopped, display will return to:</p> 	<p>Range Test</p>
<p>Audible On?</p>  <p>Audible Off?</p> 	<p>Turns ON/OFF the tone and voice alerts if available.</p> <p>Works with: <i>Glowster Pagers.</i> <i>CommPass Pagers.</i> <i>PatronPass Pagers.</i> <i>ParentPass Pagers.</i> <i>PeoplePass Pagers.</i></p> <p>Pagers charging in the Charging Racks will not be affected by this command.</p> <p>To change, Pagers must be removed from the Charging Rack.</p> <p>Use 9994# to turn audible ON.</p> <p>Use 9995# to turn audible OFF.</p> <p>Audible refers to the primary voice and/or tone alerts.</p> <p>Secondary (Voice/Tone) alerts for <i>Out Of Range</i> and <i>Search Mode</i> are not affected.</p> <p>Command can also be found in the menu functions.</p>	<p>Turn Audible On/Off</p>

Service

Assistance: For assistance, please contact JTECH Customer Care at 800-321-6221 option 6, fax at 561-995-2260 or email at wecare@jtech.com.



JTECH provides complete diagnostic technical support 24 hours a day, 7 days a week.

Warranty: Equipment under warranty will be repaired without charge.

Extended warranties are available. If the equipment is out of warranty there will be a nominal service fee charged when the equipment has been repaired and shipped.

Controllers and Chargers (Advance Replacement): If service is required, a JTECH Customer Care Representative will arrange for a service replacement Controller or Charger to ship from their factory. The advanced replacement equipment will arrive with a packing list and a Return Material Authorization (RMA) document. To avoid a charge for non-return of equipment, return the defective equipment within 10 business days of receipt of the advanced equipment.

Pagers and Peripherals: (Return and Replace): All pager products and peripherals will be serviced on a return and replace basis. If service is required, a JTECH Customer Care Representative will issue a Return Material Authorization (RMA) for the equipment. Only equipment specified on the RMA will be serviced.

Billing for Repairs: Terms are C.O.D. (company check), company billing or credit card. If "advanced replacement" is required, replacement equipment will arrive with a packing list and a Return Material Authorization Sheet (RMA). To return the defective equipment and ensure proper credit, include the Return Material Authorization (RMA) sheet in the shipment back to JTECH. Mark the outside of the box with the Return Material Authorization (RMA) number. If advance replacement of equipment service is used and the defective equipment is not received back at JTECH within 10 days, JTECH will bill the amount of the list price of the equipment to the Customer.

Shipping Costs: Costs to ship equipment from JTECH to the Customer paid by JTECH. If Expedited shipping is needed, the Customer pays the additional costs. Costs for shipping equipment from the Customer to JTECH are the responsibility of the Customer. JTECH recommends using a shipping service that is traceable in case shipping delays occur.

General Terms and Conditions This offer is subject to the terms and conditions listed below which are binding upon the seller and the buyer under this offer and are hereby incorporated by reference in any subsequent agreement for purchase duly executed between JTECH Communications Inc. (Seller) and its buyer of goods proposed for sale herein:

1. **Price.** All prices are F.O.B. point of origin, unless otherwise agreed to in writing by the buyer and seller. Prices quoted are those in effect at the time of quotation and are valid for 30 days from the date of quotation regardless of existence of any written confirmation. Until the proposal price and subsequent purchase price are paid in full, the buyer grants seller a security interest in all of the goods described in this proposal all of the goods described in any resulting contract and buyer agrees to sign on seller's request any required documentation to complete seller's said security interest.

2. **Payment Terms.** Normal payment terms are C.O.D. unless otherwise set forth in this proposal. Any outstanding balances not paid by the date on which they are due to JTECH Communications Inc. Inc. shall be subject to interest of 1 1/2% per month on the unpaid balance (or the maximum allowable by law whichever is the lesser) as well as rebilling charges together with reasonable attorney's fees and paralegal fees including all such fees in any appeal together with all costs associated with efforts by JTECH Communications Inc. to enforce the terms of this proposal as well as all agreements between the parties. Any discounts offered will be calculated from the date of invoice to the date that payment is received by JTECH Communications Inc. or JTECH Communications Inc.'s agents. Any discount is void if not taken at time of payment of the invoice containing said discount within thirty (30) days of the date on which the goods for which the discount is allowed, have been received by Buyer, its agents or employees.

3. **Products.** Products are defined as those items listed on this proposal and a subsequent resultant purchase order to JTECH Communications Inc. containing items listed on this proposal.

4. **Acceptance.** Upon receipt the buyer shall immediately inspect and/or test the products. Unless stated otherwise in writing on the final agreement between the parties, products shall be deemed accepted unless the buyer notifies JTECH Communications Inc. within 5 working days after receipt of shipment of any defect or discrepancy.

5. **Transportation.** Unless the buyer specifies the method of transportation, JTECH Communications Inc. will use its best judgment in determining the method of transportation. All costs of standard transportation, premium transportation if required through no fault of JTECH, and other costs such as excise taxes, duty, freight forwarding or the like shall be billed to the buyer.

6. **Title and Risk of Loss.** Title of goods sold, shall pass to buyer at the F.O.B. point.

7. **Limited Warranty for material and workmanship.** JTECH (Seller) warrants to the buyer that products purchased from JTECH shall be free from defects in material and workmanship under normal use and service. JTECH's obligation under this warranty shall be limited to the repair or exchange of any part or parts which may thus prove defective under normal use and service within one (1) year from date of purchase by the original purchaser, and which our examination shall disclose to our satisfaction to be thus defective. THIS PROPOSAL AND SUBSEQUENT SALE ARE MADE ON THE EXPRESS UNDERSTANDING THAT THERE IS NO IMPLIED WARRANTY THAT THE GOODS SHALL BE MERCHANTABILITY NOR AN IMPLIED WARRANTY THAT THE GOODS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. THE BUYER ACKNOWLEDGES THAT BUYER IS NOT RELYING ON THE SELLER'S SKILL OR JUDGMENT TO SELECT OR FURNISH GOODS SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE PREVIOUSLY SET FORTH HEREIN. PURCHASER IS DIRECTED NOT TO RELY ON JTECH'S PRODUCTS TO FUNCTION AS AN INTEGRAL PART OF ITS LIFE CARE/LIFE SUPPORT PROCEDURES OR SYSTEMS. JTECH'S PRODUCTS ARE NOT DESIGNED FOR SUCH USE; PARTICULARLY WHEN AN ALLEGATION MAY BE MADE THAT PRODUCT MALFUNCTION CONTRIBUTED TO THE FAILURE TO ADMINISTER A PROPER TREATMENT, PROCEDURE, ACTION OR MEDICATION. BUYER AGREES TO FULLY PROTECT, DEFEND AND HOLD SELLER HARMLESS FROM CLAIMS OR DAMAGES RESULTING FROM THE USE OF JTECH'S PRODUCTS IN LIFE CARE/LIFE SUPPORT PROCEDURES. Any claim by the buyer for the repair or exchange of goods proposed and of goods actually sold to buyer shall be deemed waived by the buyer unless submitted in writing to JTECH within the earlier of (a) 30 (thirty) days from the date the buyer discovered or by reasonable inspection should have discovered any claimed breach of the foregoing warranty.

8. **Damages Based Upon Negligence or Strict Liability.** JTECH's obligation based upon any claim of negligence or of strict liability as a result of its delivery of products ordered by Buyer, shall be limited to, at JTECH's option, repairing or replacing the products that are found by JTECH to be defective, or refunding the purchase price of such products. In no event shall JTECH's liability exceed the purchase price of the products that are subject matter of any such claim. JTECH shall not be obligated to make any such refund or replacement until at least thirty(30) days after JTECH has received from Buyer the subject alleged defective product, which will be shipped to JTECH at the buyer's expense.

9. **Disclaimer of Consequential Damages.** In no event shall JTECH be liable for incidental or consequential damages arising out of or in connection with the purchase by Buyer of goods from JTECH including, without limitation, such damages that may be caused by a breach of any obligation or warranty imposed on JTECH under such purchase. Consequential damages shall include without limitation, loss of use, income or profit, or loss sustained as the result of injury to any person, or loss or damage to any property, or loss or damages sustained as the result of work stoppage. Buyer shall indemnify JTECH against all liability, cost or expense that may be sustained by JTECH due to loss, damage or injury. IN NO EVENT, SHALL JTECH'S LIABILITY EXCEED THE PURCHASE PRICE OF GOODS.

10. **Taxes.** Unless specifically provided herein, the price for goods purchased as a result of this proposal does not include sales, use, excise or similar taxes, whether Federal, State or local. Buyer is responsible for all applicable taxes for any goods after title passes to the Buyer at the F.O.B. point. If Buyer is exempt from paying sales taxes, a certificate evidencing such shall be provided to JTECH upon request.

11. **Export.** Buyer agrees not to directly or indirectly export any Goods purchased from JTECH (whether or not modified by subsequent services) including, but not limited to parts, equipment, software or technical data/documentation without first obtaining the required U.S. Government export license(s). If Buyer intends to export Goods outside the U.S., Buyer shall determine whether an export license is required; and, if so, obtain that license from the U.S. Government. Buyer shall protect, defend and indemnify JTECH from any loss or liability due to Buyer's failure to comply with export regulations. Buyer further warrants that the Goods sold to Buyer from JTECH will not be resold, transferred, exported or reused in any way by Buyer in violation of any laws, regulations or export control imposed by the U. S. Government.

General Terms and Conditions

12. Delays. Unless specified in writing by JTECH to the contrary, goods in stock shall be shipped immediately upon the signing of a binding purchase agreement. Goods not in stock will be shipped as soon as possible. JTECH will not be liable for any nonperformance of the Agreement resulting from this proposal caused by strikes, fires, disasters, riots, acts of God or other causes or conditions beyond JTECH's reasonable control. In the event of such delay or nonperformance, JTECH may, at its sole option, and without liability, cancel any portion of the Agreement resulting from this proposal and/or extend any date upon which any performance is due.

13. Termination. If Buyer (a) fails to pay any amount owed when due, or (b) assigns or transfers the Agreement subsequently resulting from this proposal without JTECH's prior written consent, or (c) makes an assignment for benefit of creditors, or (d) files or has filed against it, petition for relief under federal or state bankruptcy laws, or (e) breaches any other term or condition of this proposal or resultant contract, JTECH may terminate any portion of the agreement resulting from this proposal. In addition to JTECH's other available remedies. If JTECH fails to perform any obligation when due, and if such failure is not remedied within thirty (30) days after receipt of written notice from Buyer, Buyer may terminate any portion of such Agreement. In all other cases, the Agreement resulting from this proposal may be terminated by either party by giving sixty (60) days written notice. Termination of the Agreement, for any reason, shall in no way interfere with the obligation of Buyer to pay all monies payable as of the effective date of termination or which become payable for Goods ordered and delivered after such termination. If such Agreement is terminated by Buyer for any reason other than default by JTECH, Buyer shall be liable immediately thereupon, to pay to JTECH the full contract price for all goods completed by JTECH pursuant to the Agreement and for all work in process at the time of termination.

14. Returns and Cancellations. Buyer may not cancel any order or return any Goods that have been special or custom ordered, custom manufactured or configured, unless specifically agreed to in writing to seller in this proposal and in the subsequent agreement. Returns are subject to a restocking fee that will be due to seller when the goods are received by seller.

15. Patents and Copyrights. In no event shall JTECH be liable for damages arising from infringement of patents or copyrights. In the event that Buyer should be enjoined in any such suit alleging infringement of patent(s) or copyright(s) or proceeding from using any of the Goods purchased pursuant to this proposal and subsequent Agreement, JTECH, at its option, shall either (a) secure termination of the injunction and procure for Buyer the right to use such goods without obligation or liability or (b) replace or modify said Goods with non infringing materials at JTECH's expense and refund the purchase price of the infringing goods to Buyer; provided, however, that in no event shall JTECH be liable for or have any obligations under this paragraph if the alleged infringement is by reason of the specifications provided by Buyer to JTECH under this agreement. The foregoing shall be Buyer's exclusive remedy against JTECH with respect to any alleged patent or Copyright infringement. The sale of goods does not convey any license of copyright under any proprietary or patent rights of any manufacturer. JTECH shall not have any liability if the alleged infringement is based upon the use or application of the Goods in combination with other Goods and Buyer shall protect, defend, and indemnify JTECH therefrom. JTECH disclaims all other liability for infringement of intellectual property rights and further disclaims any liability for incidental or consequential damages arising in connection with such infringement.

16. Manufacturer Liability. In addition to JTECH's limited warranty for materials and workmanship as per section 7 herein, and unless specifically agreed to in writing by the manufacturer, JTECH and Buyer, Buyer represents to JTECH and the manufacturer that the Goods sold pursuant to this proposal and the subsequent resultant Agreement incorporating such of the terms of this proposal agreed to by JTECH and buyer do not constitute standard components intended for use by Buyer or JTECH in life support systems, surgical implantation, nuclear facilities, or for any other application in which the failure of the Goods or the product in which the Goods are to be used could create a situation where personal injury or death may occur.

17. Credit Terms. All orders and shipments shall at all times be subject to the approval of JTECH's credit department. JTECH reserves the right of declining to make any shipment called for by the contract between seller and buyer whenever, for any reason, there is doubt in JTECH's sole judgment, as to buyer's willingness or ability to pay for the goods ordered on Buyer's solvency and JTECH shall not, in such event, be liable for breach or nonperformance of this Agreement in whole or in part.

18. Packaging. Packaging will be standard commercial package and acceptable to commercial carriers. Special customer packaging will be furnished only when specified and so stated herein and the cost thereof shall have been agreed to by both the Buyer and JTECH in writing.

19. Substituted or Repaired Goods. If substitute additional or repaired goods are purchased by Buyer from JTECH, the terms and conditions of this proposal and resultant Agreement shall be applicable thereto, the same as if such substituted, additional or repaired Goods had been originally purchased hereunder unless specifically stated to the contrary in this proposal or subsequent resultant Agreement.

20. General Conditions. No agent, salesman or other party is authorized to bind JTECH to any agreement, warranty, statement, promise or understanding not expressed herein. The sale of Goods pursuant to this proposal and any subsequent resultant Agreement shall be governed by the laws of the State of Florida. Any notice that is required under the terms of a resultant Agreement shall be in writing and delivered to the address of the party set forth in the Agreement and shall be effective when actually received. The remedies reserved by the parties shall be cumulative and in addition to other remedies provided by law. JTECH shall not be required to proceed with the performance of any obligation under a resultant Agreement so long as Buyer is in default or in breach of any of Buyer's obligations or agreements herein. Any clerical errors are subject to correction. No delay or omission by JTECH in exercising any right or remedy under that agreement shall constitute a waiver of such right or remedy. The waiver, invalidity or unenforceability of any provision in a resultant Agreement shall not effect the validity of the agreement as a whole or any other provisions herein. An Agreement resulting from this proposal shall be binding upon and shall inure to the benefit of the successors and assigns of Buyer and JTECH. Buyer may not assign or transfer such Agreement in whole or in part without the prior written consent of JTECH. For the purposes of such agreement, the Buyer and JTECH agree, notwithstanding any of the items sold not constituting "goods" as defined in Article 2 of the Uniform Commercial Code as enacted and amended from time to time in the state of Florida, for the purpose of interpreting this proposal or a resultant Agreement all items shall be deemed to be such "goods." Buyer agrees that acceptance of this proposal and receipt of shipment from JTECH pursuant to any resultant Agreement shall constitute acceptance in total of the preceding General Terms and Conditions except as otherwise agreed to in writing by the parties thereto.

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FCC RF Exposure Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna Gain: 2.0dBi max.

Antenna Type: 50ohm BNC, monopole antenna

To satisfy FCC RF exposure requirements, a separation distance of 25 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Gain d'antenne: 2.0dBi maximal

Type d'antenne: 50 Ω BNC, antenne monopôle

Les antennes installées doivent être situées de façon à ce que la population ne puisse y être exposée à une distance de moins de 25 cm. Installer les antennes de façon à ce que le personnel ne puisse approcher à 25 cm ou moins de la position centrale de l'antenne.

La FCC des états-Unis stipule que cet appareil doit être en tout temps éloigné d'au moins 25 cm des personnes pendant son fonctionnement.

SYSTEM WARRANTY

JTECH Communications, Inc. warrants its equipment to be free from defects in materials and workmanship for a period of one year. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. Products must be returned with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and date and place of purchase. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within ten days of purchase.

The following are not covered under our one-year warranty: adapters, antennas, user-replaceable batteries, pager belt clips, pager promobacks, pager battery doors, pager neck chains, liquid damage to master transmitter, pagers or chargers, lightning strikes or other acts of God that could affect the performance of the master transmitter, pagers and peripherals.

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6413 Congress Avenue
Suite 150
Boca Raton, Florida 33487
800-321-6221

Part Number 320XXXC
Kit Number 325XXXB

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