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Book Descriptions:

commtech messenger manual

Amcom Software, Inc. Intelpage IP v2.12 Firmware. Document Version 1.0. Last Saved Date October 10, 2013. Copyright 20032013 Amcom Software, Inc. All Rights Reserved. Information in this document is subject to change without notice. The software described in this document is. The software may be used or copied only inNo part of this publication may be reproduced, stored in a retrievalAmcom Software, Inc. Suite 100. Eden Prairie, MN 55343Microsoft and Windows are trademarks of Microsoft Corporation. Other brands and their products are trademarks orIntelpage IP. Intelpage IP. 1. Compliance Information. 1. Safety and General Information. 3. About the Intelpage IP. About the Intelpage IP. 4. Intelpage IP Kit. 4. LEDs and Connectors. 5. LED Indicators. 6. Connectors. 6. LCD Display High Power Version Only. 7. Installation. Installation. 8. Rack Version. 8. Desktop Version. 9. ConfigurationConnecting. 10. Logging In. 13. User Interface Fields. 14. Home. 14. Pagers. 15. Network Settings. 16. Serial Port Settings. 17. Transmitter Settings. 18. Protocol. 19. Pocsag. 21. Password. 22. IP Access List. 23. Site Survey. 24. Status. 25. Licensing. 26. Configuration ExamplesSetting up Dialin TAP to Intelpage IP from Messenger. 28. Contents iiiConfiguring Network Settings Through the Terminal Interface. 30. Transmitters. 34. Installing Multiple Transmitters and Aerials. 34Technical Specifications. 36. General. 36. Desktop Version Specific. 36High Power Version Specific. 37. Intelpage IP 2Intelpage IP. InstallationConfigurationConfiguration ExamplesAppendixCompliance InformationCompliance label. For safety reasons, this equipment should only be connected to compliant telecommunicationsThis equipment has been tested and was found to comply with FCC Rules and Regulations, Part 15 with the limits ofThis equipmentOn the base of the equipment is a label containing an FCC. Registration Number, if applicable.<http://www.esfpraktijk.nl/uploads/carrier-vvt-thermostat-manual.xml>

- **1.0.**

Intelpage IP 1This equipment has been tested and found to comply with FCC Rules and Regulations, Part 90.Bay Area Compliance Laboratory Corporation, 1274 Anvilwood Ave., Sunnyvale, CA 94089, USA. Identification mark 1313 Notified Body Number. The equipment also carries the class 2 equipment identifier exclamation mark. The technical documentation relevant to the above equipment can be made available for inspection on application to. Amcom Software. To minimize the environmental impact and take more responsibility for the world in which we live, Amcom. Intelpage IP 2This section includes important information on safe and efficient operation. Please read the following informationExposure to Radio Frequency Energy. Your Intelpage IP contains a low power radio transmitter. When it is ON, it transmits radio frequency RF energy. Your Intelpage IP is designed to comply with the following national and international standards and guidelinesFields in the Frequency Range from 3 kHz to 300 GHz, 1999Exposure Standard 1999. To assure optimal performance and make sure human exposure to radio frequency electromagnetic energy is withinAntenna Care. Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachmentsDo NOT hold the antenna when the device is in use. Holding the antenna affects signalDo not use Intelpage IP with aThe Intelpage IPNearly every electronic device is susceptible to electromagnetic interference EMI if inadequately shielded,SELV warning. The Fusion Intelpage IP and Alarm Dispatch modules have been assessed as SELV throughout, all ports shall bePotentially Explosive Atmospheres. Do not operate the Intelpage IP in any area with a potentially explosive atmosphere. Sparks in a potentially explosiveAreas with potentially explosiveAreas with potentially explosive atmospheres are oftenBlasting Caps and Areas.<http://xn--76--pdd4bl.xn--p1ai/pic/userfile/carrier-vrf-operation-maintenance-manual.xml>

To avoid possible interference with blasting operations, do not use the Intelpage IP near electrical blasting caps, in aIntelpage IP 3About the Intelpage IPWaveaware Tekk. Intelpage IP includes both an RJ45 Ethernet port and an RJ45 RS232 port. This enables system programming and. Ethernet or serial input from thirdparty systems. In addition, both ports can be used simultaneously and may be setIntelpage IP Kit. Your Intelpage IP kit containsPlus if you ordered a desktop version Intelpage IPAbout the Intelpage IP 4Or if you ordered a high power 19" Rack version Intelpage IPThe type of antenna used must be carefully chosen depending on the site andLEDs and Connectors. Depending on which type of Intelpage IP you have purchased, the connector and LED layout are slightly different. The rack versions have all of their connectors and LEDs on the front panel as shown below. The only exception is the mains input IEC connector and the antenna connector. You are supplied with a mains leadThe antenna port is an opening to allow connection of the antenna to the internal transmitter. The connector is aAbout the Intelpage IP 5The desktop version is supplied power via the "Power 12VDC" connector.The antenna port is an opening to allow connection of the antenna to the internal transmitter. The connector is aLED IndicatorsTransmitter IndicatorsSerial IndicatorsConnectors. Ethernet. The RJ45 Ethernet port may be used for connection to a PC, LAN, or external system for configuration andThe RJ45 port on Intelpage IP is an Ethernet port like any other that may be found on a PC or network device. The. Intelpage IP supports 10Mbps Ethernet connections. If the Intelpage IP is to be connected to a PC network i.e. into a switch or hub, then a straightthrough cable shouldIf the Intelpage IP is to be connected directly to a single PC or directly to another Ethernet enabled Fusion SeriesAn Ethernet crossover cable is included in the package red cable.

About the Intelpage IP 6The pinouts are described below. Pin No. Name. Dir. DescriptionLCD Display High Power Version Only. The front panel contains a digital panel meter that displays the amount of current the power amp is drawing;The table below shows the nominal values that will be displayed when viewing each reading while the unit isModel Number. AmpsAbout the Intelpage IP 7Installation. Follow the relevant section below. Depending on which type of Intelpage IP you have purchased, the installation isRack Version. Before mounting the enclosure, you need to decide where to place the unit. The Intelpage IP can be desk mounted orYour Intelpage IP package contains four rubber feet which can be placed on the underside of the unit if you wish toIf the unit is to be rack mounted, you need to attach a pair of rack ears. Your Intelpage IP package contains a set ofUse a Phillips screwdriver to attach the ears to the unit.This ensures the transmitter has adequate ventilation. A suitable antenna capable of handling the rated power continuously must be connected to the Ntype connector onVSWR checked before connecting the transmitter to it. See the "Transmitters" section on page 34 for moreInstallation 8Before mounting the enclosure, you need to decide where to place the unit. The Intelpage IP comes with rubber feetThe kit also includes a wall mounting bracket. To install this bracketIt only fits one way around.Installation 9Configuration. Information on how to configure the Intelpage IP system is included in this section. ConnectingLogging InUser Interface FieldsThe portions thatConnecting. In order to view the user interface, you must first connect to the Intelpage IP via its Ethernet port. There are twoOnce you have plugged in the unit you can use a utility called IPDiscover to locate your Intelpage IP on the networkThis program is included within the "IPDiscover" folder on the CD included inNOTE DHCP is enabled by default.

<http://superbia.lgbt/flotaganis/1649371139>

If no DHCP server is found on the network, the default IP of 192.168.0.100 isConfiguration 10You can then turn off DHCP if it is notNOTE By default, there is no password required to configure these settings in IPDiscover. NOTE If you cannot connect to the Intelpage IP, you should set your PC's network card IP address to be on theFor example, if the Intelpage IP is set to 192.168.1.100, you should set your PC IPIf you are happy with the IP settings, perform the following actionsHighlight

the unit in the IPDiscover program. Click the Web button. A browser window opens, displaying the login screen, as shown below. The Fusion Intelpage IP user interface is provided via a web page, meaning that it can be accessed remotely. For the best results, Internet Explorer 6 or higher should be used. Configuration 11 Hostname, IP Address, and DHCP settings can also be configured using the built in Terminal interface. See later on Configuration 12 Click on one of the menu items on the lefthand side to bring up the authorization window as shown below. Configuration 13 The section below explains the various menus and fields on the web interface. Home. Clicking this menu returns you to the main page. Configuration 14 This screen is used to edit Intelpage IP's internal pager database. The Intelpage IP supports pager IDs from 000 to 999. To enable or edit a pager ID, choose an item from the list and Enter in the required cap code and set the encoding type to one of the following Configuration 15 This screen is used to edit Intelpage IP's networking settings. Hostname. Here you can give your Intelpage IP a name on the network. This name shows up in the IPDiscover utility. Giving a unique name allows multiple IP based Fusion series devices to be By default, this option is enabled. This means that upon powering up, your Intelpage IP Address. The supplied IPDiscover utility can then be used to locate units on your network. In Messenger or TIM, the Intelpage IP may need a fixed IP Address.

<http://chaletvictorhugo.com/images/bvi-9400-service-manual.pdf>

In this case you need to fill IP Address. The IP address of the Intelpage IP unit. Protocol Port. This is the TCP port that Intelpage IP listens on for Ethernet protocol information. By default, Mask. The network mask of the network you are connected to. Gateway. If the device is to be accessed from the internet or another network, the gateway is the route Reboot After making any changes to the network settings, check this box and click the Save button to Configuration 16 If DHCP is enabled, any changes to Basic networking settings such as Hostname, IP Address, and DHCP settings can also be configured using the built in Terminal interface. Serial Port Settings. This screen is used to edit Intelpage IP's serial port settings. Baud. The transmission speed of the RS232 port on the Intelpage IP default 9600. Data bits. The number of bits that actually contain information pertaining to the message rather than to the Parity. A method of verifying the accuracy of the data sent. In this case it is either none not used, odd, Stop bits. The number of bits sent at the end of each byte, which is used for synchronization purposes. In Flow. Control. This refers to the "flow control" property of the connection. Reboot After making any changes to the network settings, enable this option and click the Save button to NOTE The Intelpage IP baud, data bits, parity, and stop bits must all match that of the connected system. Configuration 17 This screen is used to edit Intelpage IP's internal transmitter settings. NOTE The settings outlined on this page cannot be viewed or changed if you ordered a transmitter with the busy Frequency. Band. After the Intelpage IP unit has read the data from the internal transmitter, it displays the band of Frequency. Here you can type the frequency required for the site in Hz. For example, if your pagers are Power. Level. Use the drop down menu to toggle between low, medium, or high power levels. These values Spacing.

<https://goodacreuk.com/images/bvi-6100-service-manual.pdf>

This field refers to the space between adjacent channels. The majority of applications use a wide Please note that after a firmware upgrade, this field is automatically populated with the correct If this information is changed, the power amplifier could Configuration 18 This screen is used to edit Intelpage IP's protocol settings. Ethernet Protocol. Use. The protocol that the Ethernet port uses. The options available are COMP1, COMP2, SCOPE, TAP, Terminal, TNPP, and Tekk. All the protocols use TCP port 6000 by Serial Port Protocol. The protocol that the RS232 port RJ45 uses. The options available are COMP1, COMP2, SCOPE, TAP, Terminal, TNPP, and Tekk. After making any changes to the protocol settings, enable this option and click the Save button to load the new settings. Max Msg Count. This refers to the maximum number of messages that can be sent by a protocol in a. A value of "0" means no maximum limit. The default value Lookup PagerID. If enabled,

the system looks up Pager IDs in the pager database. Otherwise the system Never Disconnect. If enabled, the Intelpage IP never disconnects from the remote system. It only If left disabled and the TAP protocol is being used, a carriage return resulting in an. Configuration 19. For reliable communication with certain TAP systems, such as the Teltron HPGA. Paging Gateway, this field may need to be checked. Checking this field ignores the Priority Keywords. Priority keywords are a useful function of Intelpage IP which allows a different beep For example, most messages In this case, you Replacement field. NOTE The password in the TAP protocol is ignored. Pager ID 000 must be configured for COMP1 messages. The TNPP device address is 1234. TNPP received address is ignored. All messages are accepted. If you are sending to a combination of numeric, alpha, and tone pagers, you need to use TNPP or SCOPE which Configuration 20 This screen is used to edit Intelpage IP's POCSAG settings. Speed.

The baud rate speed of paging transmission in bps. This value must match that of the pagers The default value is 512 bps. Default Tone. The tone type that the pager emits when the message is received. The default beep code is A. Type. The type of message to send. Tone only, Numeric, or Alpha. This should match the type of Busy Invert. If disabled, these invert the respective signal. By default, PTT invert should be enabled while. Data Invert and Busy Invert should be disabled. Ignore Busy. If enabled, the Intelpage IP sends the message regardless of whether or not the radio channel NOTE If the SCOPE protocol is chosen, speed, tone, and type are specified along with the message and override Configuration 21 This screen is used to edit the Intelpage IP's password. This is the password that must be entered in order to view or edit the Intelpage IP settings. It has a maximum length Please note that the default username is Configuration 22 This screen is used to edit Intelpage IP's firewall. This is the list of IP addresses that are allowed to use the Intelpage IP. A received IP address is binary. If the result A brief explanation of binary and An IP of 0.0.0.0 disables the rule. If all IP addresses are set to 0.0.0.0, then the entire access control list ACL is Configuration 23 This screen is used to configure Intelpage IP's site survey function. This menu is used to test a site by sending messages periodically. One person is required for a site survey. Once you Capcode. Enter the cap code of the test pager that you wish to use in the site survey. Interval. Enter the time between test messages sent out in seconds here. Enter the encoding type used on the pager. Choose between Alpha, Numeric, Tone Only, or. Disabled. Message. Enter the message text you would like to be sent when the site survey is performed. This text The default text is "Site. Survey.". Survey Enable. Enable this option to enable the site survey with the above settings. Transmitter. Test Enable.

Enable this option to force the transmitter to send out a constant preamble signal. This is used NOTE This test mode causes the transmitter to heat up rapidly. Do not use this test for extended periods of time as it Configuration 24 The status screen shows some useful statistics about the Intelpage IP unit. Version. The version of the firmware. System Up Time. The duration the device has been on. Memory Available. RAM that is available to store and send messages and server web pages. POCSAG Queued. The number of messages that are queued and are waiting to be sent. POCSAG Sent. The total number of messages sent since power on. POCSAG Busy. The total number of messages that have failed to send due to the channel being busy. UART Status. Indicates whether flow control is inhibiting the transmitting or receiving of data. PT5 Temperature. Displays the current temperature of the internal transmitter. PT5 Voltage. Displays the voltage that is driving the internal transmitter. NOTE The PT5 Temperature and PT5 Voltage fields will not be displayed if you ordered a transmitter with the Configuration 25 This screen is used to configure Intelpage IP's license key. Some of the features on the Intelpage IP can be licensed. This means that they can be enabled or disabled by applying a new license key. License keys are generated and After you obtain a license key, enter the license key into the Intelpage IP by using the The License screen displays. The following screen displays. Configuration 26 Configuration 27 Configuration Examples. This section includes information on how to set up a dialin TAP connection to the Intelpage IP from Messenger.

Setting up Dialin TAP to Intelpage IP from Messenger. A TAP link can be created over an analog phone line between a Messenger Server or a Fusion EMM, and Intelpage. IP for remote message capability. The system is setup as described below. Messenger or Fusion EMM. Fusion Intelpage IP. Standard Analogue Phone Line. Modem.

Custom Cable described below. Standard Serial Cable. The Intelpage IP must have its RS232 port settings as follows Ensures factory default settings. Saves configuration to memory. The simplest way is to use a. RJ45DB25 connector set and wire it with the following pinouts. NOTE If a connector set is not available, you can just make a cable with the pinouts in the table instead. RJ45 Pin Number. On Intelpage IP. Wire Color Inside. RJ45DB25 Adapter. Function. DB25 Pin. Number. Black The default Messenger TAP gateway works for this purpose. Please note Configuration Examples 29 Appendix. This section covers technical information for the Intelpage IP system, including. Configuring Network Settings Through Terminal Interface Transmitters IP system. Types of Antennas Technical Specifications Configuring Network Settings Through the Terminal. Interface. NOTE HyperTerminal is used as the terminal emulator in this example. If it is not installed, it can be added by Other terminal programs such as "Putty" may be used. Appendix 30 Usually, this information is written next to the serial Appendix 31 This automatically updates the if no errors were encountered. HyperTerminal displays Connected in the bottom left corner status bar. Within five seconds, click the Escape key four Click Enter to proceed. If the password request screen does not Appendix 32 Use the TAB or Enter key to navigate between the various fields on the Hostname. Allows you to assign a name to the Intelpage IP on the network. This name displays in Giving a unique name allows multiple IP based Fusion series Click the Space Bar to enable or disable this field. By default this option is enabled, The supplied. IP Discover utility can then be used to locate units on your network. In some situations, Messenger, or TIM, the Intelpage IP may need a fixed IP address. In this case, you IP Address. Mask. If the device needs to access the internet or another network, the gateway is the route Appendix 33 The Media Access.

Control address is factory set and should not need to be changed. NOTE The IP Address, Mask, and Gateway fields display the current settings. If DHCP is enabled, any changes to NOTE Care should be taken if altering the MAC address, as it can result in the unit no longer being addressable. Transmitters. Thick steel and concrete, large magnetic and electric fields, and terrain and weather conditions affect transmitter When you perform the test, you should pay particular attention to the quality of the messages that you receive on the If you find that you are receiving corrupt messages, you should consider the following methods for improving Increase the transmitter power. There are a number of objections to this method, such as local restrictions on aerial Installing Multiple Transmitters and Aerials. For buildings in an area with good field strength outside but weak reception within, possibly caused by shielding due The higher the VSWR is, A high VSWR means some of the transmitted signal is being reflected at the antenna, back If this value is too high, the amount of power reflected back The minimum VSWR, i.e., that which corresponds to a perfect If this test is skipped, permanent damage may result to the amplifier. Damage also To transmit without an Appendix 34 Colinear. Colinear antennas are most suited for installations which require maximum range. The general coverage pattern for Mopole. Mopole antennas are most suited for installations that require good building penetration and range. It is a good The general coverage pattern for this type of antenna is shown below. Dipole antennas are most suited for installations which require excellent building penetration. The general coverage Appendix 35 Please note that the specifications are subject to change without notice. General. Equipment Type. Frequency Range. VHF 148174MHz. UHF 440470MHz Synthesized. LED Indicators. Power, PTT, Data, CD Busy, RS232 Tx, RS232 Rx, IP Activity, IP Link. External Connectors. Ethernet RJ45F 10 Mbps.

Serial RJ45F RS232C 30057600 Baud default 9600bps. Recipient Capacity Supported Protocols. Duty Cycle Temperature.

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