

Care and Feeding of Telex Radio Dispatch Systems

IP-2002 Browser Configuration

Accessing Web Browser Configuration Windows

Before connecting the IP-2002 to the web browser, an IP Address compatible with an existing network must be set.

The configured IP Address is the web browser address (<http://XXX.XXX.XXX.XXX>, the XXX's refer to the values for the assigned IP Address) used to access the IP-2002 Setup windows.

To **access the web setup windows**, do the following:

1. Open the **web browser** on the PC.
2. In the web address bar, enter the **IP Address** of the IP-2002.



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- 3.** From the User Name drop down menu, type **admin** or the **Username**.
- 4.** In the Password field, enter the appropriate **Username password**.



*If this is the first time the IP-2002 has been started and a password has not been assigned to the unit, **no entry** is required.*

- 5.** Click **OK**.

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IP-2002 Browser Configuration

The Welcome window

The screenshot shows the IP-2002 Welcome window. At the top left is the Telex logo with "TELEX RADIO DISPATCH PRODUCTS IP-2002". Below it are device images and status information: Name: 12Characters, MAC: 00-0B-7C-01-A3-8C, SN: 20107404, FW: 4.007. To the right are six icons with labels: Basic Ethernet Setup, General Gain Setup, Multicast Address Setup, Per Line Setup, and Save to EEPROM. Below these are navigation links: Account Setup, Clone & PIN, ID Directory, Paging Directory, Paging Setup, System Setup 1, and System Setup 2. A "Console Name" input field with the value "12Characters" and a "Submit" button are shown. The main content area contains descriptive text about the IP-2002's design and functionality.

Console Name

TELEX
RADIO DISPATCH PRODUCTS
IP-2002

Name: 12Characters
MAC: 00-0B-7C-01-A3-8C
SN: 20107404 FW: 4.007

Basic Ethernet Setup General Gain Setup Multicast Address Setup Per Line Setup Save to EEPROM

Account Setup | Clone & PIN | ID Directory | Paging Directory | Paging Setup | System Setup 1 | System Setup 2

Console Name:

Designed with VoIP Technology, the IP-2002 is a two-line, full-featured desktop control console for use with conventional radio systems.

With a self-contained dual processor, the IP-2002 does not require a CEB or CPU equipment. The IP-2002 connects to any internal Ethernet network, allowing for an unlimited number of consoles to have full control and functionality over the system.

Dispatchers using the IP-2002 can control a crosspatch between the two lines as well as inject audio into the crosspatch.

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IP-2002 Browser Configuration

Basic Ethernet Setup

Basic Ethernet Setup

Serial Number: 20107404 MAC Address: 00-0B-7C-01-A3-B0

IPv4 Setup

Use DHCP: (If using DHCP, some parameters below will not be required)

Unit IP Address: 10.2.10.14
Subnet Mask: 255.255.255.0
Gateway Address: 10.6.0.1
DNS Number 1: 0.0.0.0
DNS Number 2: 0.0.0.0

Local Concrete IP Address

1 0.0.0.0	2 0.0.0.0	3 0.0.0.0
4 0.0.0.0	5 0.0.0.0	6 0.0.0.0
7 0.0.0.0	8 0.0.0.0	9 0.0.0.0
10 0.0.0.0	11 0.0.0.0	12 0.0.0.0
13 0.0.0.0	14 0.0.0.0	15 0.0.0.0

Packet Setup

Packet Delay before Playback: 10 QoS Precedence Bits: 0
QoS D, T, and R Bits: 0

SNTP Setup

SNTP Address: 0.0.0.0 SNTP Update Interval: 60 minutes
SNTP Local Time Offset: 0 hours

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General Gain Setup



General Gain Setup

Handset Gain Setup

Handset Speaker Gain: dB Handset Mic Gain: dB
Handset Sidetone Gain: dB

Miscellaneous Gain Setup

Desk Mic Gain: dB Panel Mic Gain: dB
Aux Input Gain: dB

Speaker Gain Setup

Speaker Gain: dB

Tape Gain Setup

Line 1 Tape Gain: dB Line 2 Tape Gain: dB

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Multicast Setup

The screenshot shows a web-based configuration interface for a Telex IP-2002 system. The top navigation bar includes links for Account Setup, Clone & PIN, ID Directory, Paging Directory, Paging Setup, System Setup 1, and System Setup 2. The current page is titled "Multicast Address Setup".

Line Number:	Enable via Ethernet:	Line Type:	Line Name:	Base IP:	Multicast Address:	RX Port:	TX Port:	TTL:
1	<input checked="" type="checkbox"/>	Generic	FleetsyncOne	0.0.0.0	225.8.11.81	1054	1072	6
2	<input checked="" type="checkbox"/>	Generic	Dick Tracy 1	0.0.0.0	225.8.11.81	1055	1073	6
Phone	<input type="checkbox"/>	Phone	Ring		225.8.11.81	2052		6
SysMon	<input type="checkbox"/>	Radio Phone iDen Kenwood FleetSync	System Monitor		233.15.18.22	7635		6

A "Submit" button is located below the table, and a copyright notice "© Copyright 2008 Telex Communications, Inc." is at the bottom.

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Per-line setup

Per Line Setup - Line 1

Line Select: Line 1 Enabled:

Console Options Setup

Duplex Enable: <input checked="" type="checkbox"/>	Crosspatch Open Time (sec): <input type="text" value="3"/> Sel <input type="text" value="3"/> Uns
Disable Mute: <input type="checkbox"/>	Min. Mute Level: <input type="text" value="0"/> dB (0=OFF)
TX Enabled: <input checked="" type="checkbox"/>	Notification W/ Vol: <input type="checkbox"/>
Disable Local Iden Tones <input type="checkbox"/>	PTT Timeout: <input type="text" value="0"/> sec

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IP-2002 Browser Configuration

Function Tone Setup

FTone Setup

Disable Tx FTone Disable Rx FTone Jump to FTone: 1 to 20

FTone [Enable]:	Alpha Numeric:	FTone [Enable]:	Alpha Numeric:
1 <input type="checkbox"/>	Ln1 F1	11 <input type="checkbox"/>	Ln1 F11
2 <input type="checkbox"/>	Ln1 F2	12 <input type="checkbox"/>	Ln1 F12
3 <input type="checkbox"/>	Ln1 F3	13 <input type="checkbox"/>	Ln1 F13
4 <input type="checkbox"/>	Ln1 F4	14 <input type="checkbox"/>	Ln1 F14
5 <input type="checkbox"/>	Ln1 F5	15 <input type="checkbox"/>	Ln1 F15
6 <input type="checkbox"/>	Ln1 F6	16 <input type="checkbox"/>	Ln1 F16
7 <input type="checkbox"/>	Ln1 F7	17 <input type="checkbox"/>	Ln1 F17
8 <input type="checkbox"/>	Ln1 F8	18 <input type="checkbox"/>	Ln1 F18
9 <input type="checkbox"/>	Ln1 F9	19 <input type="checkbox"/>	Ln1 F19
10 <input type="checkbox"/>	Ln1 F10	20 <input type="checkbox"/>	Ln1 F20

Pair Setup

FTONE:	1	2	3	4
Pair 1:	<input type="checkbox"/>	<input type="checkbox"/>		

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Pair and Phone Setup

The screenshot shows a web-based configuration interface for the IP-2002. It features three main sections: 'Pair Setup', 'Phone Setup', and 'Radio Options Setup'. The 'Pair Setup' section includes an 'FTONE' selection with options 1, 2, 3, and 4, and a 'Pair 1' checkbox. The 'Phone Setup' section includes 'Phone & Radio Phone' and 'iDEN Phone Line' checkboxes, and a 'Local Phone Line' dropdown set to 'Any'. The 'Radio Options Setup' section includes 'Fleet ID' and 'Unit ID' input fields, and checkboxes for 'Enable Clear/Coded', 'Disable FleetSync Ack', 'Enable Talk Around', and 'Enable Scan'.

Pair Setup

FTONE: 1 2 3 4
Pair 1:

Phone Setup

Phone & Radio Phone: Local Phone Line: Any

iDEN Phone Line:

Radio Options Setup

Fleet ID: Unit ID:

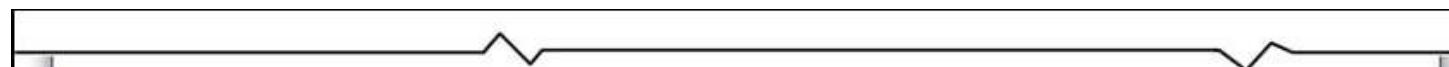
Enable Clear/Coded: Enable Talk Around:
Disable FleetSync Ack: Enable Scan:

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IP-2002 Browser Configuration

Per-line Setup Rx/Tx Block, Select Call, Tape Mix



RX/TX Block Setup

LINE NUM: **1** **2**

Rx Block:

Tx Block:

Rx Block Time: sec

Select Call

Select Call String: Select Call Open Time (sec):

Tape Mix Setup

SEL UNSEL CRP Tape With Volume

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IP-2002 Browser Configuration

Save Parameters



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IP-2002 Browser Configuration

User Account Setup

By default, the IP-2002 comes with two (2) **system accounts** created: *admin* and *user*. Upon first use, there are no passwords set for either account. You can change the passwords for both of the accounts, if desired. These are the only system accounts allowed.

Admin System Account

The **Admin System** account has privileges to change, modify or delete anything within the IP-2002 software configuration. The account rights are not configurable, except for the password.

User System Account

The **User System** account is used to manage the system user account password. The system user account is in edit mode when the username field is highlighted yellow.

Created accounts are user-defined accounts that may have different defined permissions to selected areas of the IP-2002 configuration software. You can create up to five (5) accounts of this type.

Account Setup

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IP-2002 Browser Configuration

Account Setup

System Accounts

Enable:	Username:	PIN:	New PIN:	Confirm PIN:	
<input checked="" type="checkbox"/>	admin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Save"/>
<input checked="" type="checkbox"/>	user	*****	<input type="text"/>	<input type="text"/>	<input type="button" value="Edit"/> <input type="button" value="Save"/>

Created Accounts

Delete:	Username:	PIN:	New PIN:	Confirm PIN:	
<input type="checkbox"/>	allow16character	*****	<input type="text"/>	<input type="text"/>	<input type="button" value="Edit"/> <input type="button" value="Save"/>

System Parameters

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IP-2002 Browser Configuration

Setup User Account

Account Setup

System Accounts

Enable:	Username:	PIN:	New PIN:	Confirm PIN:	<input type="button" value="Save"/>
<input checked="" type="checkbox"/>	admin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Save"/>
<input checked="" type="checkbox"/>	user	*****	<input type="text"/>	<input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
<input checked="" type="checkbox"/> Set no PIN					

Created Accounts

Delete:	Username:	PIN:	New PIN:	Confirm PIN:	<input type="button" value="Edit"/> <input type="button" value="Save"/>
<input type="checkbox"/>	allow16character	*****	<input type="text"/>	<input type="text"/>	<input type="button" value="Edit"/> <input type="button" value="Save"/>

System Parameters

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IP-2002 Browser Configuration

Add New User

Created Accounts

Delete: Username: allow16character PIN: ***** New PIN: Confirm PIN:

Set no PIN

<input checked="" type="checkbox"/> General Gain	<input type="checkbox"/> Account Setup	<input checked="" type="checkbox"/> Per Line Setup
<input checked="" type="checkbox"/> ID Directory	<input type="checkbox"/> Basic Ethernet Setup	<input checked="" type="checkbox"/> Paging Dir & Setup
<input checked="" type="checkbox"/> Save to EEPROM	<input type="checkbox"/> Clone & PIN	<input checked="" type="checkbox"/> System Setup 1 & 2
<input checked="" type="checkbox"/> Welcome Page	<input type="checkbox"/> Multicast Address Setup	

System Parameters

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IP-2002 Browser Configuration

ANI Alias ID setup

ID Directory

Jump to Entry: 1 to 20 Enable ID lookup:

Delete	Entry	Name	ID	ID Type	RX Only
<input type="checkbox"/>	1	1 of group	allow1?characters	Generic	<input type="checkbox"/>
<input type="checkbox"/>	2	1?character	allow1?characters	Phone	<input type="checkbox"/>
<input type="checkbox"/>	3	1?characters	allow1?characters	Radio Phone	<input checked="" type="checkbox"/>
<input type="checkbox"/>	4	1?characters	allow1?characters	Dos	<input type="checkbox"/>
<input type="checkbox"/>	5	2 of group	Not supported	Motorola MDC1200	<input type="checkbox"/>
<input type="checkbox"/>	6	4 of group	allows?characters	Kenwood FleetSync	<input type="checkbox"/>
<input type="checkbox"/>	7	ACKStun OFF	allows?characters	Status	<input type="checkbox"/>
<input type="checkbox"/>	8	ACKStun ON	Enter ID Number	Generic	<input type="checkbox"/>
<input type="checkbox"/>	9	CAR 54	7771234	Phone	<input type="checkbox"/>
<input type="checkbox"/>	10	Emergency	88	Radio Phone	<input type="checkbox"/>
<input type="checkbox"/>	11	Emergency	99	Dos	<input type="checkbox"/>
<input type="checkbox"/>	12	idenRadio/118	#4565551212	Motorola MDC1200	<input type="checkbox"/>
<input type="checkbox"/>	13	MOBILE UNIT	9991234	Kenwood FleetSync	<input type="checkbox"/>
<input type="checkbox"/>	14	ONE ADAM 12	8881234	Status	<input type="checkbox"/>
<input type="checkbox"/>	15	OtherNumber1	17character allow	Generic	<input type="checkbox"/>
<input type="checkbox"/>	16	Overline123	12345678912345678	Generic	<input type="checkbox"/>
<input type="checkbox"/>	17	SunRadio	90	Status	<input type="checkbox"/>
<input type="checkbox"/>	18	TypeNameHere	993993599	Dos	<input type="checkbox"/>
<input type="checkbox"/>	19	TypeNameHere	5551212	Kenwood FleetSync	<input type="checkbox"/>
<input type="checkbox"/>	20	TypeNameHere	12345678912	Radio Phone	<input type="checkbox"/>

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IP-2002 Browser Configuration

Paging Setup

Paging Directory

Jump to Entry:

Entry:	Person Name	Page Format	Line	Freq	Talk Time	Page String
1	Chef Jones	1.Dial Phone	1	F1	32000 ms	6551234
2	Chef Jones	2.Fire Dept	2	F4	0 ms	150
3	Capt Kirk	1.Dial Phone	1	F1	0 ms	5559999
4	Capt Kirk	3.PoliceDept	1	F1	0 ms	76
5	Fire 1	4.Aircraft	1	F1	0 ms	3456
6	Police 1	4.Aircraft	1	F1	0 ms	6789
7	TV Copter	5 Non Standard	1	F1	0 ms	1000 500 2000 500
8	Degheads	Stack	1	F1	0 ms	246
9		Stack	1	F1	0 ms	
10		Stack	1	F1	0 ms	
11		Stack	1	F1	0 ms	
12		Stack	1	F1	0 ms	
13		Stack	1	F1	0 ms	
14		Stack	1	F1	0 ms	
15		Stack	1	F1	0 ms	
16		Stack	1	F1	0 ms	
17		Stack	1	F1	0 ms	
18		Stack	1	F1	0 ms	
19		Stack	1	F1	0 ms	
20		Stack	1	F1	0 ms	

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IP-2002 Browser Configuration

Paging Setup (part 2)

Paging Setup

Paging Option Setup

Paging Option Group	Page Type	Name	Setup
1	DTMF	Dial Phone	Setup1
2	2 Tone 1000	Fire Dept	Setup2
3	2 Tone 100	PoliceDept	Setup3
4	DTMF	Aircraft	Setup4
5	Manual	Non Standard	Setup5
6	None		Setup6
7	None		Setup7
8	None		Setup8
9	None		Setup9
10	None		Setup10

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IP-2002 Browser Configuration

Paging Setup

2 Tone 100 Setup Parameters

Entry Number: 1

Page Name

Name:

Tone Group Setup

Tone #1 Group Number: Tone #2 Group Number:

Tone Delay/Level/Duration Setup

Tone #1 Duration: ms Tone #2 Duration: ms
Gap Duration: ms Group Tone Duration: ms
Delay Before First Tone: ms Page Tone Level:

Miscellaneous Setup

Enable Diagonal Tone: Diagonal Tone Frequency: Hz
Diagonal Tone Location: (checked=second tone)

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IP-2002 Browser Configuration

Paging Setup

2 Tone 1000 Setup Parameters

Entry Number: 1

Page Name

Name:

Tone Plan Setup

Tone Plan Number:

Tone Delay/Level/Duration Setup

Tone #1 Duration: <input type="text"/> ms	Tone #2 Duration: <input type="text"/> ms
Gap Duration: <input type="text"/> ms	Group Tone Duration: <input type="text"/> ms
Delay Before First Tone: <input type="text"/> ms	Page Tone Level: <input type="text"/>

Miscellaneous Setup

Enable Diagonal Tone: Diagonal Tone Frequency: Hz
Diagonal Tone Location: (clock + 2nd tone)

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IP-2002 Browser Configuration

DTMF Setup

DTMF Setup Parameters

Entry Number: 3

Page Name

Name:

Number Of Page Digits

Total Page Digits:

Tone Delay/Level/Duration Setup

DTMF Tone ON Duration: ms DTMF Tone OFF Duration: ms

Delay Before First Tone: ms Page Tone Level:

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IP-2002 Browser Configuration

Manual Paging Setup

Manual Paging Setup Parameters

Entry Number: 4

Page Name
Name: 12characters

Tone Delay/Level/Duration Setup

Gap Duration: 0 ms Delay Before First Tone: 0 ms

Page Tone Level: 0

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IP-2002 Browser Configuration

System Setup

System Setup 1

General Setting

Console Name:

Supervisor Enable: Supervisor Timeout: sec

Auto Monitor Enable: CRP Timeout: sec

Disable Call List: CRP Delay: ms

Mute UNSEL w/PTT: Tx Delay: ms

Residual ANI:

AUX Line:

AUX Microphone:

Network Phone Ring Type:

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IP-2002 Browser Configuration

System Setup

System Setup 2

Alert Tone Setup

	Enable	Mode	Low Freq	High Freq	Level
Alert1:	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Tone <input type="radio"/> Pulsed Tone <input type="radio"/> Hi-Lo	1000 Hz	0 Hz	0 dBm
Alert2:	<input checked="" type="checkbox"/>	<input type="radio"/> Tone <input checked="" type="radio"/> Pulsed Tone <input type="radio"/> Hi-Lo	1000 Hz	0 Hz	0 dBm
Alert3:	<input checked="" type="checkbox"/>	<input type="radio"/> Tone <input type="radio"/> Pulsed Tone <input checked="" type="radio"/> Hi-Lo	500 Hz	1200 Hz	0 dBm
Alert4:	<input checked="" type="checkbox"/>	<input type="radio"/> Tone <input type="radio"/> Pulsed Tone <input checked="" type="radio"/> Hi-Lo	600 Hz	1000 Hz	0 dBm

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IP-2002 Browser Configuration

System Setup

The screenshot shows the 'Softkey Setup' configuration page with four distinct sections:

- Main Menu A:** Contains four softkeys labeled 'XP', 'IRR', 'PAGE', and 'HIST'. Each has a dropdown 'Label Type' set to 'XP', 'IRR', 'PAGE', and 'HIST' respectively, and a corresponding status box.
- Main Menu B:** Contains four softkeys labeled 'STUN', 'REVI', 'LUNC', and 'EMER'. Their 'Label Type' dropdowns are set to 'Fleetsync Status', 'Fleetsync Status', 'Fleetsync Manual Status', and 'Fleetsync Manual Status' respectively, with status boxes showing values 91, 92, 01, and 99.
- Main Menu C:** Contains four softkeys labeled 'CAR1', 'CAR2', 'UNIT1', and 'CAR4'. Their 'Label Type' dropdowns are set to 'Fleetsync Select Cell', 'Fleetsync Select Cell', 'Fleetsync Select Cell', and 'Fleetsync Select Cell' respectively, with status boxes.
- Main Menu D:** Contains four empty softkey slots with 'Label' and 'Label Type' dropdowns both set to 'None', and empty status boxes.

A 'Submit' button is located at the bottom of the form, and a copyright notice is at the very bottom.

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IP-2002 Browser Configuration

Handset Gain Setup



Handset/Microphone Setup

Input Type: None Handset Headset

Handset To Speaker:

Sum Sel/Unsel to Handset/Headset:

Panel PTT Default Microphone:

Keypad (DTMF) Setup

DTMF	Enable	Flywheel:	Digit On:	Digit OFF:	Line Level:
Keypad:	<input checked="" type="checkbox"/>	500 ms	250 ms	250 ms	-10 dBm
Sidetone:	<input type="checkbox"/>				-20 dBm

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