



*Si ha vero progresso solo quando
una nuova tecnologia è accessibile a tutti...*

Henry Ford

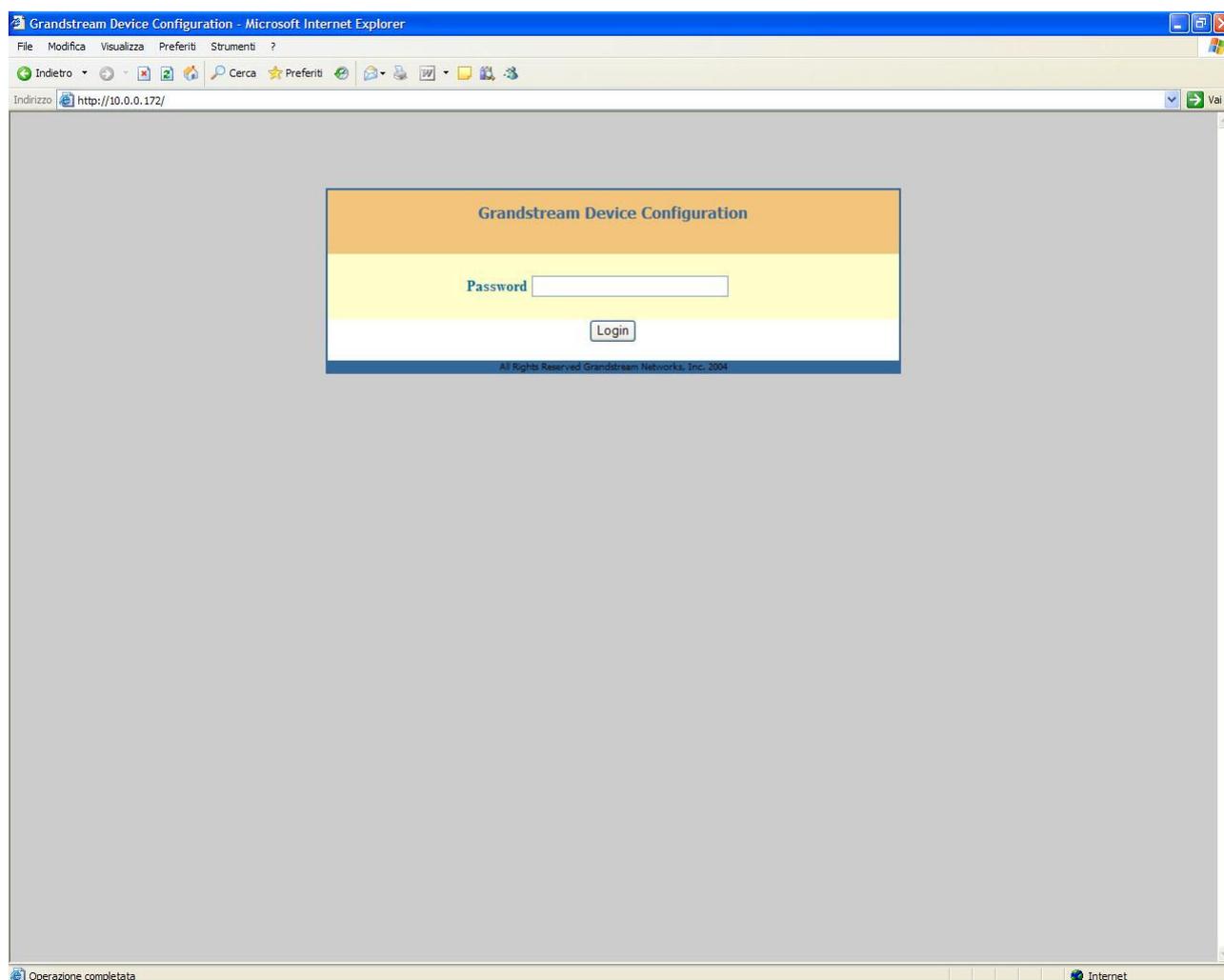
Configurazione telefono IP Grandstream GXP-2000

Dopo aver collegato il dispositivo ad una rete con server DHCP abilitato, vedrete comparire sul display del telefono, sotto la data, l'indirizzo IP assegnatogli.

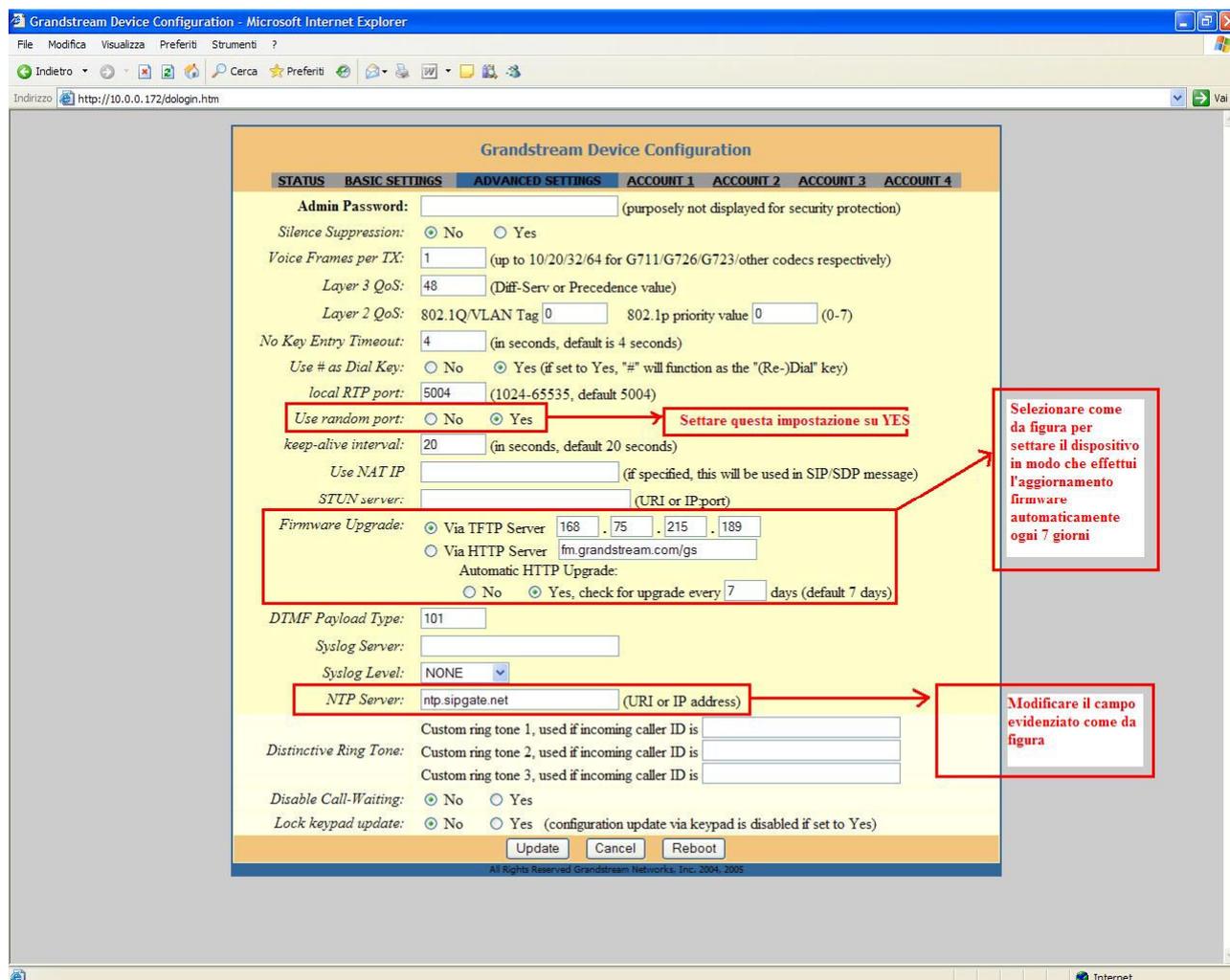
Inserire questo indirizzo IP nella barra degli indirizzi del vostro browser internet ad esempio:

- <http://10.0.0.172>

Premere "Invio", a questo punto comparirà la seguente schermata di accesso:



Alla richiesta di password inserire quella pre-impostata "admin" e premete "Invio", in questo modo entrerete nella schermata principale della configurazione che, in questo caso, sarà automaticamente "Advanced Settings", evidenziata in blu nel menù in alto.



The screenshot shows the 'Grandstream Device Configuration' web interface in Microsoft Internet Explorer. The 'ADVANCED SETTINGS' tab is selected. The interface includes various configuration options with red boxes and arrows pointing to specific settings, accompanied by explanatory text boxes.

Annotations:

- Use random port:** Yes. Arrow points to a text box: "Settare questa impostazione su YES".
- Firmware Upgrade:** Via HTTP Server (fm.grandstream.com/gs). Arrow points to a text box: "Selezionare come da figura per settare il dispositivo in modo che effettui l'aggiornamento firmware automaticamente ogni 7 giorni".
- NTP Server:** ntp.sipgate.net. Arrow points to a text box: "Modificare il campo evidenziato come da figura".

Configuration Fields:

- Admin Password: (purposely not displayed for security protection)
- Silence Suppression: No Yes
- Voice Frames per TX: 1 (up to 10/20/32/64 for G711/G726/G723/other codecs respectively)
- Layer 3 QoS: 48 (Diff-Serv or Precedence value)
- Layer 2 QoS: 802.1Q/VLAN Tag 0 802.1p priority value 0 (0-7)
- No Key Entry Timeout: 4 (in seconds, default is 4 seconds)
- Use # as Dial Key: No Yes (if set to Yes, '#' will function as the "(Re-)Dial" key)
- local RTP port: 5004 (1024-65535, default 5004)
- keep-alive interval: 20 (in seconds, default 20 seconds)
- Use NAT IP: (if specified, this will be used in SIP/SDP message)
- STUN server: (URI or IP:port)
- Firmware Upgrade:
 - Via TFTP Server 168 . 75 . 215 . 189
 - Via HTTP Server fm.grandstream.com/gs
 - Automatic HTTP Upgrade:
 - No
 - Yes, check for upgrade every 7 days (default 7 days)
- DTMF Payload Type: 101
- Syslog Server: (empty)
- Syslog Level: NONE
- NTP Server: ntp.sipgate.net (URI or IP address)
- Distinctive Ring Tone: Custom ring tone 1, 2, 3, used if incoming caller ID is (empty)
- Disable Call-Waiting: No Yes
- Lock keypad update: No Yes (configuration update via keypad is disabled if set to Yes)

Buttons: Update, Cancel, Reboot

Footer: All Rights Reserved Grandstream Networks, Inc. 2004, 2005



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Dopo aver modificato o inserito ex-novo tali dati, premete il tasto **"UPDATE"** a fondo pagina e poi cliccate sul menù in alto alla voce **"Basic Settings"** e modificate le impostazioni evidenziate in rosso come da figura:

Grandstream Device Configuration - Microsoft Internet Explorer

Indirizzo: http://10.0.0.172/config2.htm

Grandstream Device Configuration

STATUS BASIC SETTINGS **ADVANCED SETTINGS** ACCOUNT 1 ACCOUNT 2 ACCOUNT 3 ACCOUNT 4

End User Password: (purposely not displayed for security protection)

IP Address: dynamically assigned via DHCP (default) or PPPoE
(will attempt PPPoE if DHCP fails and following is non-blank)

PPPoE account ID:

PPPoE password:

Preferred DNS server: . . .

statically configured as:

IP Address: . . .

Subnet Mask: . . .

Default Router: . . .

DNS Server 1: . . .

DNS Server 2: . . .

Speed Dial 1: Name: UserID: Account: Account 1

Speed Dial 2: Name: UserID: Account: Account 1

Speed Dial 3: Name: UserID: Account: Account 1

Speed Dial 4: Name: UserID: Account: Account 1

Speed Dial 5: Name: UserID: Account: Account 1

Speed Dial 6: Name: UserID: Account: Account 1

Speed Dial 7: Name: UserID: Account: Account 1

Time Zone: GMT+1:00 (Paris, Amsterdam, Berlin, Rome, Vienna, Madrid, Warsaw, Brussels)

Daylight Savings Time: No Yes (if set to Yes, display time will be 1 hour ahead of normal time)

LCD Backlight Always On: No Yes

Time Display Format: 12 HOUR 24 HOUR

Year-Month-Day

Date Display Format: Month-Day-Year

Day-Month-Year

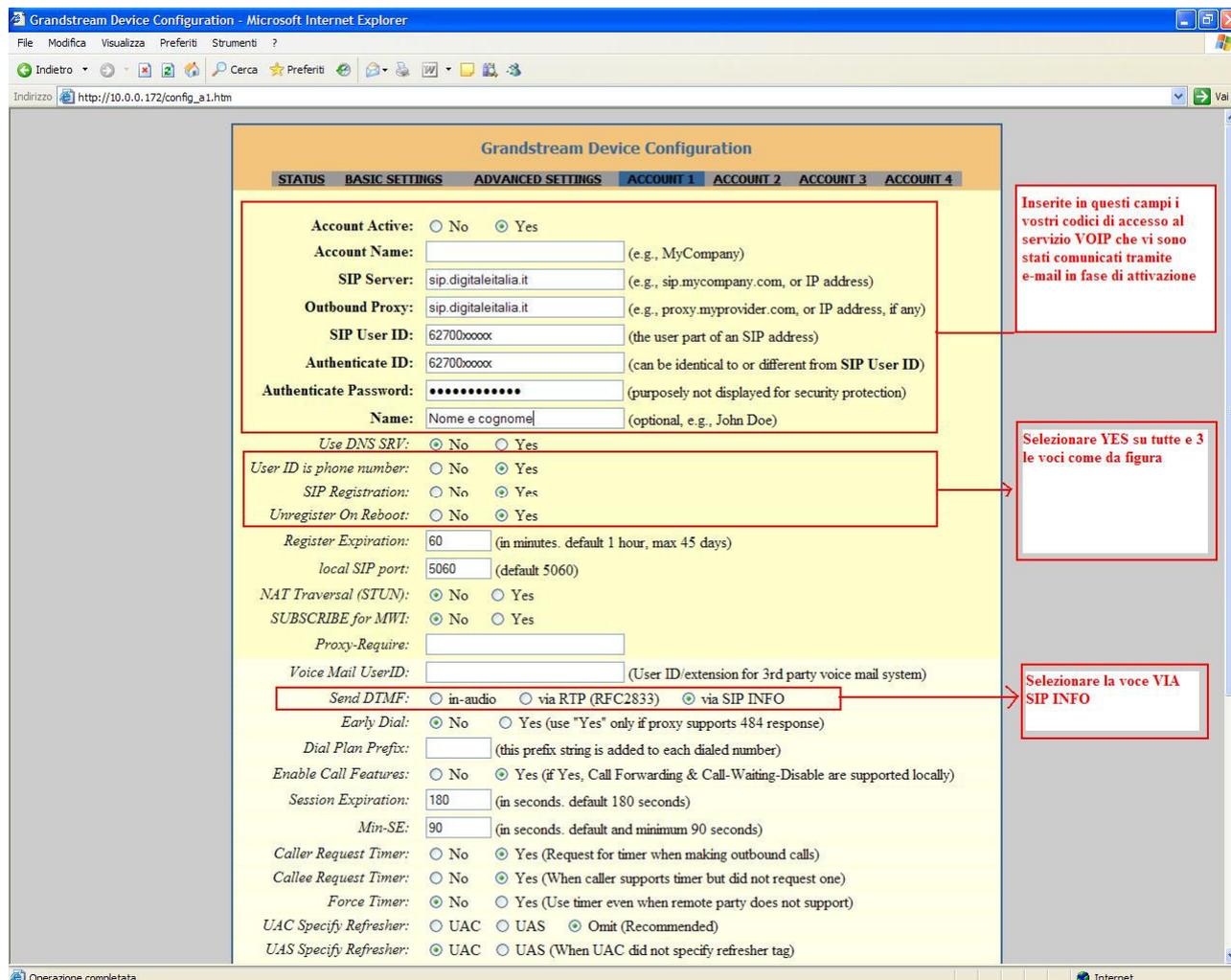
Display Clock instead of Date: No Yes

Update Cancel Reboot

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Operazione completata Internet

Ora, cliccate sempre il tasto **"UPDATE"** a fondo pagina e poi selezionate la voce



The screenshot shows the Grandstream Device Configuration web interface in Microsoft Internet Explorer. The interface is divided into several tabs: STATUS, BASIC SETTINGS, ADVANCED SETTINGS, ACCOUNT 1, ACCOUNT 2, ACCOUNT 3, and ACCOUNT 4. The ACCOUNT 1 tab is selected.

Key configuration fields and their values are as follows:

- Account Active: No Yes
- Account Name: (e.g., MyCompany)
- SIP Server: sip.digitalitalia.it (e.g., sip.mycompany.com, or IP address)
- Outbound Proxy: sip.digitalitalia.it (e.g., proxy.myprovider.com, or IP address, if any)
- SIP User ID: 62700xxxx (the user part of an SIP address)
- Authenticate ID: 62700xxxx (can be identical to or different from SIP User ID)
- Authenticate Password: (purposely not displayed for security protection)
- Name: Nome e cognome (optional, e.g., John Doe)
- Use DNS SRV: No Yes
- User ID is phone number: No Yes
- SIP Registration: No Yes
- Unregister On Reboot: No Yes
- Register Expiration: 60 (in minutes. default 1 hour, max 45 days)
- local SIP port: 5060 (default 5060)
- NAT Traversal (STUN): No Yes
- SUBSCRIBE for MWI: No Yes
- Proxy-Require:
- Voice Mail UserID: (User ID/extension for 3rd party voice mail system)
- Send DTMF: in-audio via RTP (RFC2833) via SIP INFO
- Early Dial: No Yes (use "Yes" only if proxy supports 484 response)
- Dial Plan Prefix: (this prefix string is added to each dialed number)
- Enable Call Features: No Yes (if Yes, Call Forwarding & Call-Waiting-Disable are supported locally)
- Session Expiration: 180 (in seconds. default 180 seconds)
- Min-SE: 90 (in seconds. default and minimum 90 seconds)
- Caller Request Timer: No Yes (Request for timer when making outbound calls)
- Callee Request Timer: No Yes (When caller supports timer but did not request one)
- Force Timer: No Yes (Use timer even when remote party does not support)
- UAC Specify Refresher: UAC UAS Omit (Recommended)
- UAS Specify Refresher: UAC UAS (When UAC did not specify refresher tag)

Red annotations highlight specific areas:

- A red box highlights the Account Name, SIP Server, Outbound Proxy, SIP User ID, Authenticate ID, and Authenticate Password fields. A red arrow points to a text box: "Inserite in questi campi i vostri codici di accesso al servizio VOIP che vi sono stati comunicati tramite e-mail in fase di attivazione".
- A red box highlights the Use DNS SRV, User ID is phone number, SIP Registration, and Unregister On Reboot options. A red arrow points to a text box: "Selezionare YES su tutte e 3 le voci come da figura".
- A red box highlights the Send DTMF option. A red arrow points to a text box: "Selezionare la voce VIA SIP INFO".

The status bar at the bottom left indicates "Operazione completata" and the bottom right shows "Internet".

Dopo aver effettuato tali modifiche, fate scorrere ancora la pagina di configurazione ed ultimiamo l'inserimento dei parametri evidenziati in rosso come da figura:



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The screenshot shows the Grandstream Device Configuration web interface. The page is titled "Grandstream Device Configuration - Microsoft Internet Explorer" and the address bar shows "http://10.0.0.172/config_a1.htm". The configuration options are as follows:

- SIP Registration: No Yes
- Unregister On Reboot: No Yes
- Register Expiration: 60 (in minutes. default 1 hour, max 45 days)
- local SIP port: 5060 (default 5060)
- NAT Traversal (STUN): No Yes
- SUBSCRIBE for MWI: No Yes
- Proxy-Require: [text input]
- Voice Mail UserID: [text input] (User ID extension for 3rd party voice mail system)
- Send DTMF: in-audio via RTP (RFC2833) via SIP INFO
- Early Dial: No Yes (use "Yes" only if proxy supports 484 response)
- Dial Plan Prefix: [text input] (this prefix string is added to each dialed number)
- Enable Call Features: No Yes (if Yes, Call Forwarding & Call-Waiting-Disable are supported locally)
- Session Expiration: 180 (in seconds. default 180 seconds)
- Min-SE: 90 (in seconds. default and minimum 90 seconds)
- Caller Request Timer: No Yes (Request for timer when making outbound calls)
- Callee Request Timer: No Yes (When caller supports timer but did not request one)
- Force Timer: No Yes (Use timer even when remote party does not support)
- UAC Specify Refresher: UAC UAS Omit (Recommended)
- UAS Specify Refresher: UAC UAS (When UAC did not specify refresher tag)
- Force INVITE: No Yes (Always refresh with INVITE instead of UPDATE)
- Enable 100rel: No Yes
- Account Ring Tone: system ring tone custom ring tone 1 custom ring tone 2 custom ring tone 3
- Send Anonymous: No Yes (caller ID will be blocked if set to Yes)
- Auto Answer: No Yes
- Preferred Vocoder (in listed order):
 - choice 1: GSM
 - choice 2: G.729A/B
 - choice 3: PCMU
 - choice 4: PCMA
 - choice 5: GSM
 - choice 6: PCMU
 - choice 7: PCMU
 - choice 8: PCMU
- Special Feature: Standard

Buttons at the bottom: Update, Cancel, Reboot.

Annotations in red boxes:

- Account Ring Tone: "Queste opzioni servono per selezionare la suoneria desiderata, a scelta del cliente"
- Preferred Vocoder: "Selezionare i codec da utilizzare per il servizio nell'ordine come da figura"

A questo punto la configurazione del nostro GXP-2000 è stata ultimata, per renderla operativa basterà cliccare in sequenza i tasti a fondo pagina:

- **UPDATE**
- **REBOOT**

Il telefono a questo punto è configurato e pronto all'uso.

Il GXP-2000 ha la possibilità di configurare più utenze voip sullo stesso dispositivo fino ad un massimo di 4.

Per configurare altre utenze basterà procedere come precedentemente descritto cliccando sulle voci "**ACCOUNT 2**" - "**ACCOUNT 3**" - "**ACCOUNT 4**".

Una volta configurati, oltre a ricevere le telefonate dalle varie utenze sullo stesso dispositivo, si potrà scegliere da quale utenza chiamare premendo i tasti posti subito sotto il display "**LINE 1**" - "**LINE 2**" - "**LINE 3**" - "**LINE 4**".