



Software Web Update

Web Interface Manual

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Chapter 1 Introduction

Teldat routers execute several types of software in order to work. Next, we shall briefly describe the software elements:

• BIOS FLASH

It is the basic interface with the router's hardware. Thanks to the application services, the hardware is accessible and any variations that take place (e.g. changing the integrated circuit used to control PSTN) are revealed.

BOOT

This is a small start-up program recorded in a read-only device. It is almost impossible to lose and allows the user to restore a device under extreme circumstances.

APPLICATION

This is the part of the code that handles internetworking processes (IP routing, X.25, IPSec, ATM, etc.) and the configuration and monitoring consoles.

• Auxiliary Files (*.BFW, ...)

In order to simplify the modular updating of Teldat routers, as well as to reduce the size of the application, certain blocks are provided as independent files. The need for these depends on the hardware available. For instance, Teldat devices support several ADSL chipsets that, depending on the one available in your device, will need one firmware (BFW) or another.

• Image file(*.img)

In some devices, the BIOS, Application and FWs are distributed in a single file whose extension is img.

Software updating in Teldat routers is done through the replacement of one (or several) of the aforementioned elements. This manual explains how.

Chapter 2 Web Interface overview

This section will briefly describe the web interface.

Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).



You need to enter a user and password. Valid user/password pairs are those configured in the device. If no user configuration is present in the device, the default user and password are both blank. Click on *Apply* to access the web interface.



In order to prevent brute-force attacks, the number of login attempts is limited. If you try to login three times to no avail, the login page will lock for one minute and the following page will appear:



When the locking period ends, the login page will appear again upon refresh. You may now try to login again.

Once you have logged in, an interface will appear. Its display will depend on the login access level. If the latter is lower than *root*, only the device information that is readily available will appear (without any upgrading or restarting options):

(*) Teldat: Update Soft ×		e
← → C (① 192.168.213.15/upgrade/swupload_min.html		Q क छि दे 📰 🗄
		Update Software
		Logout
	Teldat's Router, M1 1GEWAN 4GESW WL IPSec SNA VoIP 34 80	
	Current running APP version: 11.01.07-Beta-6a5aee6+ Current running BIOS/BOOT version: 05.05-B Current running/required firmwares: NONE • Phase review the file before upgrading the software. An erroneous update can render the device inaccessible. • Restart the device once the update has completed.	

Upgrading and restarting the device is possible at the *root* access level:

 ★ → C ① 192.168.213.15/upgrade/swupload.html 		() 이 야 월 ☆ 🔤 🗄
		Update Software
		Logout
	Teldat's Router, M1 1GEWAN 4GESW WL IPSec SNA VoIP 34 80	
	Action: Update APP (BIN) Release control: Warring: Release control override allows you to load files from previous releases. See the control override allows you to be there unexpectedly, meaning zone was properly. Upload a file: Releast file Restart device: Restart Current running APP version: 11.01.07-Bela-Ga5aee6+ Current running BIOS/BOOT version: 05.05-B Current running required firmwares: NONE Please review the file before upgrading the software. An erroneous update can render the device once the update has completed.	

Chapter 3 Updating Process

Software updating in Teldat routers is done through the replacement of one (or several) of the aforementioned elements. This manual explains how to do it via WEB.

	Teldat's Router, RS353jw-4G BASE DPI
Action:	Update FIRMWARE *
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Upload fi Warning:	Session has expired. Please, log in.
Restart device:	Restart
	Teldat's Router, RS353jw-4G BASE DPI
Action:	Teldat's Router, RS353jw-4G BASE DPI
Action: Release control check override:	Teldat's Router, RS353jw-4G BASE DPI Update FIRMWARE Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.

3.1 Updating Application with BIN file

The steps to execute updating are as follows:

- (a) Save the distribution content in a directory. When done successfully, the content will remain unaltered.
- (b) Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).

	←	\rightarrow	G	192.168.213.15/upgrade	
(c)	You nee configura the web	d to er ation is interfa	nter a use s present ace.	er and password. Valid user/password pairs are those configured in the device. If no use in the device, the default user and password are both blank. Click on "Sign in" to acce	r ss

		Α
 ← → C ① No es seguro 192.168.213.15/upgrade 		Q ☆ 🗄 🗄
Teldat Jietec-etmeg		Update Software
	Teldat's Router, M1 1GEWAN 4GESW WL IPSec SNA VoIP 34 80	
	Username: Password:	

(d) Now, select *Update APP (BIN)* and then click on the *<application.bin>* file previously exported. Hit *Apply* to start the process.

Action:	Update APP (BIN) •
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
	Apply
ote	

Do not turn off or restart the system after you hit *Apply*. Also, don't close your browser or click on the return or refresh page button.

(e) After clicking on Apply, the selected file will be uploaded:

Action:	Update APP (BIN)	
Release control check Uploadin	Warning: Release control override allows you to load files from previous release Selecting this option can cause the device to behave unexpectedly, meaning sing and Saving File	ses. ome
Uploa Warning power no	: Upgrading may take a few minutes, please neither turn off the r press the reset button.	

You may click on *Cancel* if you believe you have selected the wrong file or want to stop the process. Once the file has been uploaded, the *Cancel* option will no longer be available.

Note

If the uploading progress bar stops, or if it resets to 0% and starts again, the uploading process is not working properly. This is likely due to insufficient device memory, which prevents file uploading.

To solve this issue, click on *Cancel*, restart the router and set a simpler configuration that better suits the available memory.

After the file has been uploaded, it will be prepared.

Action:	Update APP (BIN) *
Release control	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some and Saving File
Uploar power nor	Upgrading may take a few minutes, please neither turn off the press the reset button.
49%	Preparing file
Posta	Upgrading must NOT be interrupted!!

Once prepared, the file will be checked and saved. The progress bar will show you the file saving process:

Action:	Update APP (BIN) *
Release contr check Upload	Not warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ting and Saving File
Uploar power	ng: Upgrading may take a few minutes, please neither turn off the nor press the reset button.
10	0% Preparing file
19	% Checking and saving file
Restar	

(f) If the process has completed successfully, restart the router to use the updated software. To do this, click on *Restart*. If you'd prefer to do this later, click on *Later*.

A strange	
Action:	Update APP (BIN)
Release cor	trol Warning: Release control override allows you to load files from previous releases.
check Uplo	ading and Saving File
Uploa	"cit.bin"
	Upgrade completed. You must restart the device.

An error message will appear if something goes wrong. In that case, the *Restart* button will not be available. To find out more about possible errors, please see the section on **Error Control**.

3.2 Updating Application with IMG file

The steps to execute updating are as follows:

- (a) Save the distribution content in a directory. When done successfully, the content will remain unaltered.
- (b) Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).



(c) You need to enter a user and password. Valid user/password pairs are those configured in the device. If no user configuration is present in the device, the default user and password are both blank. Click on "Sign in" to access

the web interface.

(v) Teldat: Update Soft × ← → C ③ No es seguro 192.168.213.15		e @ \$ 🗐 :
		Update Software
	Toldate Daviter TV DASE VDSI 2/ADSI METH WWANLISS W/ AN 20.46	
	Username: Password:	

(d) Now, select *Update APP (IMG)* and then click on the *cit-model-profile- version.IMG>* file previously exported. Hit *Apply* to start the process.

Action:	Update APP (IMG) •
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Upload a file:	Select file cit-tv-11.01.07.img



Note

Leave the version control check override option unchecked, as it appears by default. To learn more about it, take a look at the relevant section in this document.



Warning

Do not turn off or restart the system after you hit *Apply*. Also, don't close your browser or click on the return or refresh page button.

(e) After clicking on Apply, the selected file will be uploaded:

Teldat's Router, TV BASE VDSL2/ADSL METH WWAN-USB WLAN 30 16

Action:	Update APP (IMG) v
Release con	trol Warning: Release control override allows you to load files from previous releases.
Uploa	iding and Saving File
Uploa Dowel	ing: Upgrading may take a few minutes, please neither turn off the
power	The press the reset button.
5	6% Uploading file
Eestal	ifter the file has uploaded, upgrading must NOT be interrupted!!

You may click on *Cancel* if you believe you have selected the wrong file or want to stop the process. Once the file has been uploaded, the *Cancel* option will no longer be available.

Once uploaded, the file will be checked and saved. The progress bar will show you the file saving process:

Action:	Update APP (IMG) ×
Release contr	ol Warning: Release control override allows you to load files from previous releases.
check Upload	ing and Saving File
Uploa Warnin power r	g: Upgrading may take a few minutes, please neither turn off the nor press the reset button.
15	6 Checking and saving file

(f) If the process has completed successfully, restart the router to use the updated software. To do this, click on the *Restart* button. If you want to do it later, click on the *Later* button.

Action:	Update APP (IMG) *
Release contr check Upload	Ol Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ling and Saving File
Uploa •	"cit-tv-11.01.07.img" Upgrade completed. You must restart the device.

An error message will appear if something goes wrong. In that case, the *Restart* button will not be available. To find out more about possible errors, please see the section on **Error Control**.

3.3 Updating BIOS

The steps to execute updating are as follows:

- (a) Save the distribution content in a directory. When done successfully, the content will remain unaltered.
- (b) Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).



(c) You need to enter a user and password. Valid user/password pairs are those configured in the device. If there is no user configuration present in the device, the default user and password are both blank. Click on "Sign in" to access the web interface.

(*) Teldat: Update Soft ×		θ
← → C ① No es seguro 192.168.213.15/upgrade		@☆ 🗏 :
		Update Software
	Teldat's Router, M1 1GEWAN 4GESW WL IPSec SNA VoIP 34 80	
	Username: Password: Sign in	

(d) Now, select *Update BIOS* and then click on the previously exported <. *BIN*> file. Hit *Apply* to start the process.

Action:	Update BIOS •
Release control check override:	 Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Upload a file:	Select file bpx020_D_0505.bin



Note

On the version control check override option: leave this option unchecked, as it appears by default. To know more about this option, take a look at the relevant section in this document.



Warning

Do not turn off or restart the system after you hit *Apply*. Also, don't close your browser or click on the return or refresh page button.

- (e) After clicking on Apply, the selected file will be uploaded.
- (f) If the process has completed successfully, restart the router to use the updated software. To do this, click on the *Restart* button. If you want to do it later, click on the *Later* button.

Action:	Update BIOS 🔹
Release contro check Upload	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ing and Saving File
Uploar •	"bpx020_D_0505.bin" Upgrade completed. You must restart the device.

An error message will appear if something goes wrong. In that case, the *Restart* button will not be available. To find out more about possible errors, please see the section on **Error Control**.

3.4 Updating BOOT

The steps to execute updating are as follows:

- (a) Save the distribution content in a directory. When done successfully, the content will remain unaltered.
- (b) Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).



(c) You need to enter a user and password. Valid user/password pairs are those configured in the device. If there is no user configuration present in the device, the default user and password are both blank. Click on "Sign in" to access the web interface.

(♥) Teldat: Update Soft × ← C ① No es seguro 192.168.213.15		(O) (C)
Teldat binter-elmeg		Update Software
	Teldat's Router, TV BASE VDSL2/ADSL METH WWAN-USB WLAN 30 16	
	Username: Password: Sign in	

(d) Now, select Update BOOT and then click on the previously exported <.w> file. Hit Apply to start the process.

Action:	Update BOOT
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Upload a file:	Select file boot-63x68-05.w
	Apply



On the version control check override option: leave this option unchecked, as it appears by default. To know more about this option, take a look at the relevant section in this document.



Warning

Note

Do not turn off or restart the system after you hit *Apply*. Also, don't close your browser or click on the return or refresh page button.

- (e) After clicking on Apply, the selected file will be uploaded.
- (f) If the process has completed successfully, restart the router to use the updated software. To do so, click on the *Restart* button. If you want to do it later, click on the *Later* button.

Teldat's Router, TV BASE VDSL2/ADSL METH WWAN-USB WLAN 30 16

Action:	Update BOOT *
Release contro	Warning: Release control override allows you to load files from previous releases.
check Uploadir	ng and Saving File
Uploa •	boot-63x68-05.w"
	Jpgrade completed. You must restart the device.
	Later Restart

An error message will appear if something goes wrong. In that case, the *Restart* button will not be available. To find out more about possible errors, please see the section on **Error Control.**

3.5 Updating Firmware

The steps to execute updating are as follows:

- (a) Save the distribution content in a directory. When done successfully, the content will remain unaltered.
- (b) Connect to the device's WEB server. Open your web browser and type, in the URL bar, the device's configured and accessible IP and the /upgrade path (as it appears in the next picture).

← → C 🗅 192.168.213.15/upgrade

(c) You need to enter a user and password. Valid user/password pairs are those configured in the device. If there is no user configuration present in the device, the default user and password are both blank. Click on "Sign in" to access the web interface.

(€) Teldat: Update Soft × ← → C ① No esseguro 192.168.213.14/upgrade		0] 1 🖻 🗄
		Update Software
	Teldat's Router, RS353jw-4G BASE DPI	
	Username: Password: Sign m	

(d) Now, select *Update FIRMWARE* and then click on the *<.bfw>* file previously exported. Hit *Apply* to start the process.

Action:	Update FIRMWARE V
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Upload a file:	Select file fw00001d.bfw

, ∃ Note

On the version control check override option: leave this option unchecked, as it appears by default. To know more about this option, take a look at the relevant section in this document.



Warning

Do not turn off or restart the system after you hit *Apply*. Also, don't close your browser or click on the return or refresh page button.

(e) After clicking on Apply, the selected file will be uploaded.

ר___ Note

Please be patient. The progress bar may stay at 0% for some time while checking and saving the file.

(f) If the process has completed successfully, restart the router to use the updated software. To do so, click on the *Restart* button. If you want to do it later, click on the *Later* button.

Action:	Update FIRMWARE *
Release contro check override	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Uploadi	ng and Saving File
•	"fw00001d.bfw"

An error message will appear if something goes wrong. In that case, the *Restart* button will not be available. To find out more about possible errors, please see the section on **Error Control**.

Chapter 4 Version control override option

By default, the device will not let you load files that are older than the application version currently in place. This safety measure prevents obsolete versions, which may cause the device to behave unexpectedly or malfunction, from being uploaded. There is, however, an option to disable the version control check in case you need to load an older application version. This is controlled by the check box in the WEB interface:

Action:	Update APP (BIN)
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Upload a file:	Select file cit.bin
	Apply

As previously stated, the box is unchecked by default and version control is enabled.

When you click on the box, a warning will appear asking the user to confirm said action. This is to make sure the box is not checked by mistake.

Action:	Update APP (BIN)
Release control check override:	 Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Release c	ontrol check override warning
Warning:	Uploading files from previous releases may cause malfunction.
	Are you sure?
Posta	

After confirmation, you may carry on with the process as usual.

Chapter 5 Restart device

When this button is clicked, the device restarts.

Restart device: Restart

Before this process is carried out, a confirmation message pops up:

Action:	Update APP (BIN)
Release contro check override	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Restart	device warning
Warning configur	g: System will be rebooted. Connection during reboot and unsaved ation changes will be lost.

If you choose Yes, the device restarts. During this process, the following waiting page appears:

 (♥) Teldat: Update Soft × ← → C 0 192.168.213.14/upgrade/swupload.html 		e ت ت ت
		Update Software
	Teldete Deuter De2/2014 42 DAGE DD1	
	The router is rebooting. This operation may take a few seconds. Please, wait while trying to reconnect	
	*	

Finally, when the restarting process has finished, the login page reloads automatically.

	Teldat's Router, RS353jw-4G BASE DPI
Action:	Update APP (BIN)
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Restart d	evice Session has expired. Please, log in and click Restart
	ОК
Restart device:	Restart

Chapter 6 Error control

When an error is detected, the WEB interface will display error messages. They will contain useful troubleshooting information.

The following sections include several error examples.

6.1 Unknown file type

The following error message appears when the device cannot match the uploaded file to the file type selected.

Action:	Update APP (BIN)
Release control check override:	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work property.
Uploa Uploading	g and Saving File
• "fi	w00001d.bfw"
Pr	ocess failed. The selected file is an unknown file type.

6.2 Older version than the one stored

The following warning appears if you try to load an application version that is older than the current one.

Action:	Update APP (BIN)	
Release control check override:	Warning: Release control ov Selecting this option can cau features may no longer work	rerride allows you to load files from previous releases, se the device to behave unexpectedly, meaning some properly.
Uploa Oploadin Current ir Uploaded • "0	g and Saving File Istalled version is 11.01.07-B I version is 11.01.06.70.03 cit.bin" rocess failed. The selected fil	eta-7bc4504+ le version is older than the stored one.
Resta		

6.3 The selected file is not supported

This error will happen when the file you are trying to upload is not supported by the device's current BIOS / BOOT or hardware.

Action:	Update APP (BIN)
Release contro check override	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work property.
Uploa Uploadir	ng and Saving File
•	cit.bin"

Software Web Update

Action:	Update APP (BIN)
Release conti check overrid	 Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work property.
Uploa Upload	ling and Saving File
The ve Which You ne	rsion you uploaded is 11.01.07 is not compatible with BIOS version 01.04 ed to update BIOS at least to version 01.05
•	"cit.bin"
Resta	Process failed. The selected file is not supported by present BIOS.
	ок
Current runni	ng APP version: 11.01.07-Beta-7bc4504+
	utor TV DAGE VDGI 2/ADGI, METH WWAN LIGD WILAN 20.4
Toldat's Do	uter, IV BASE VDSLZ/ADSL WETH WWAN-05B WLAN 30 I
Teldat's Ro	
Teldat's Ro	
Teldat's Ro Action:	Update APP (IMG) ×

 Uploa
 The version you uploaded is 11.01.07 Which is not compatible with BOOT version CFE V05 You need to update BOOT at least to version CFE V06

 •
 "cit-tv-11.01.07.img" Process failed. The selected file is not supported by present BOOT.

 Restal
 OK

 Current running APP version:
 11.01.07-Beta-7bc4504+

The most probable error causes are:

- You are trying to upload an application file that is not suitable for your device and was meant for another device instead.
- You need to update the device's BIOS / BOOT before uploading the application file.

6.4 Bad checksum

This warning appears when the file you are trying to upload is recognized as a valid file but is found to be defective when analyzed.

Action:	Update BOOT
Release cont check Uploa	warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ding and Saving File
Uploa •	<i>"boot-63x68-05.w"</i> Process failed. The selected file has a bad checksum.

This error may be due to some parts of the file being modified (for instance, when extracting errors) or because of a disk error.

To solve this problem, try to extract the CIT file again from the original compressed file or save it into a different disk or physical medium.

6.5 File is incompatible with the stored profile

If you try to upload a file that does not match the device profile you will get this warning:

Action:	Update APP (IMG) 🔻
Release cor	Warning: Release control override allows you to load files from previous releases.
check Uplo	ading and Saving File
Uploa	"cit-tv_isdn-11.01.07.img"
	Process failed. The selected file is incompatible with the stored profile.

Here, we were trying to upload an "isdn" profile file in a device that does not support it.

To solve this issue, select the right file for the device.

6.6 Firmware not required

This warning appears when you try upload a firmware file in a device that does not require it:

Action:	Update FIRMWARE *
Release contro check Uploadi	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ng and Saving File
Uploa •	'fw000014_standard.bfw" Process failed. The selected file is not a required firmware file.

To solve this problem, make sure you have selected the correct firmware file for the device.

6.7 Incompatible web firmware

This warning appears when you update the application's web firmware and it proves incompatible:

	Teldat's Router, RS353jw-4G BASE DPI
Action:	Update FIRMWARE *
Release cont check overri	rol Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some features may no longer work properly.
Uploa Uploa	ding and Saving File
	"fw00001d.bfw"
	Upgrade completed. You must restart the device.
	WARNING
	Incompatible Web Firmware and CIT versions. The Web
Resta	restart the device without solving this incompatibility.

To make sure the web configurator will work correctly, click on *OK* and then upload a mutually compatible application or firmware file.

6.8 The selected file is empty

This warning appears when you select a file that is empty.

Action:	Update APP (IMG) 🔻
Release cont	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some ding and Saving File
Uploa •	"void_file" Process failed. The selected file is empty.

Select the right file to fix this issue.

6.9 Error uploading the file

If there is an error while uploading the file, this warning will appear.

De 192.168.213.15		
Error uploading the file.		
	Aceptar	
		J

Teldat's Router, TV BASE VDSL2/ADSL METH WWAN-USB WLAN 30 16

	Opdate AFF (INIO)
Release	e control Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some Uploading and Saving File
Uploa	Warning: Upgrading may take a few minutes, please neither turn off the power nor press the reset button. 0% Uploading file
Restai	After the file has uploaded, upgrading must NOT be interrupted!!

There are many possible causes for this error (for instance, uploading files that the device cannot handle properly).

6.10 Disk-related errors

These errors appear when the device has tried to save the file in its internal drive but could not.

- If the error message indicates the disk is full, you may want to free space for the newly loaded application by deleting old files.
- If the error messages have to do with writing or renaming issues, the disk cannot save files due to an internal problem. In this case, an immediate solution cannot be provided and further analysis is needed.

6.11 Internal error

This warning appears when the device cannot handle the request.

Action:	Update APP (IMG) V
Release control check Uploading	Warning: Release control override allows you to load files from previous releases. Selecting this option can cause the device to behave unexpectedly, meaning some and Saving File

This generic error warning appears when an error that does not match any of the foregoing scenarios is detected.

Chapter 7 Information required for updating

7.1 How to determine the appropriate distribution and the appropriate binary

To update a device, you need to know its identifier and current license. This information can be obtained by:

- Checking the label found on the bottom of the device (this only helps determine the device identifier, not the current license).
- Entering the "configuration" monitoring command in the local or Telnet console (in this case TC-4F32R- W2AI L1.87).

```
*monitor
+configuration
Teldat's Router, C6 SNA IPSec CR 1 87 S/N: 427/00127
P.C.B.=48 Mask=0502 Microcode=0000 CLK=49152 KHz BUSCLK=49152 KHz
ID: TC-4F32R-W2AI L1.87
Boot ROM release:
BIOS CODE VERSION: 01.09.01
gzip Feb 1 2005 12:42:37
io1 Feb 1 2005 13:24:56
io2 Feb 1 2005 12:41:45
io3 Feb 1 2005 13:24:56
START FROM FLASH L1
Watchdog timer Enabled
...
```

• Via FTP, using the "quote site systid" command.

```
ftp> quote site systid
211 TC-4F32R-WAI L1.2
ftp>
```

To identify the distribution corresponding to the device, simply check the initial part of the identifier:

- TC: Teldat M distribution (the Teldat C software is contained in the Teldat Modular).
- TM: Teldat M distribution
- AT: ATLAS distribution
- AT2G: ATLAS 2G distribution

• ...

To determine the amount of available flash memory, check the number preceding the letter F (for Flash). To determine how much available SDRAM there is, check the number preceding the letter R (for RAM). Both quantities are expressed in Megabytes.

To identify what application binary should be downloaded in your device, check the "version_map.txt" file included in the distribution and find the first matching condition.

For example, if there are several devices where Teldat M is the corresponding distribution, the "version_map.txt" file contained there is as follows:

```
L1.5, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 (MR)
L1.6, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA (MR)
L1.10, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 IPSEC (MR)
L1.11, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA IPSEC (MR)
L1.13, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA (MR)
L1.14, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA (MR)
L1.16, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA IPSEC (MR)
L1.17, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA IPSEC (MR)
L1.21, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4 SNA IPSEC (MR)
L1.22, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4B SNA (MR)
L1.26, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4B SNA IPSEC (MR)
L1.27, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4B SNA IPSEC (MR)
L1.27, 4F, 16R, *, teldatc_corp_mr.bin, TELDAT C4B SNA IPSEC (MR)
L1.12, 4F, 16R, *, teldatc_pai_mr.bin, TELDAT C2i IPSEC (MR)
L1.15, 4F, 16R, *, teldatc_pai_mr.bin, TELDAT C2i IPSEC (MR)
```

L1.1,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C2 (MR)
L1.2,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT CSW (MR)
L1.7,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C2 IPSEC (MR)
L1.8,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C3 IPSEC (MR)
L1.29,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C3G IPSEC (MR)
L1.30,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C2 (no TMS) (MR)
L1.42,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C2UP (MR)
L1.43,	2F,	16R,	*,	teldatc_pa_mr.bin,	TELDAT C2UP IPSEC (MR)
L1.18,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT C2B (MR)
L1.19,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT C2BM (MR)
L1.23,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT C2B IPSEC (MR)
L1.24,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT C2BM IPSEC (MR)
L1.35,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT C3B IPSEC (MR)
L1.37,	2F,	16R,	*,	teldatc_pi_mr.bin,	TELDAT MASTER ROUTER (MR)
L1.*,	*F,	*R,	*,	<pre>teldatm_standard.bin,</pre>	TELDAT C
L4.*,	*F,	*R,	*,	teldatm_standard.bin,	TELDAT S
L5.*,	*F,	*R,	*,	teldatm_standard.bin,	TELDAT G
L8.*,	*F,	*R,	*,	teldatm standard.bin,	TELDAT A

- If the device identifier is TC-4F32R-W2AI L1.87, the first (and in this case only) condition it must fulfill is: "L1.*, *F, *R, *" (L1.87, 4F, 32R, W2AI). Consequently, the binary to be loaded is teldatm_standard.bin.
- If the device identifier is TC-4F16R-WAI L1.27, the first condition it must fulfill is: "L1.27, 4F, 16R, *" (L1.27, 4F, 16R, WAI). Consequently, the binary to be loaded is teldatc_corp_mr.bin.
- If the device identifier is TC-4F32R-WAI L1.27, the first condition it must fulfill is: "L1.*, *F, *R, *" (L1.27, 4F, 32R, WAI). Consequently, the binary to be loaded is teldatm_standard.bin.