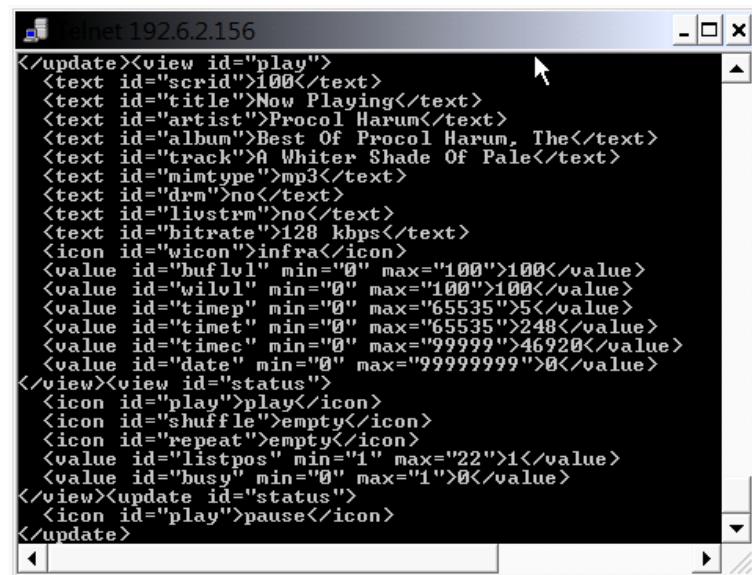On port 10100 the streaming client submodule of the **T+A** MusicPlayer outputs XML formatted information about the current program and its operating state.

Example:
If the IP address of the MusicPlayer is 192.6.2.156 then the command

telnet 192.6.2.156 10100

on a MS Windows computer will bring up a telnet window with the XML information received from the MusicPlayer (see picture on the right)

Using Firefox
Inputting the IP address and port number (in this example:

http://192.6.2.156:10100/)

in the address bar of Mozilla Firefox will also display the XML information:

note:
MS InternetExplorer will not display the information correctly
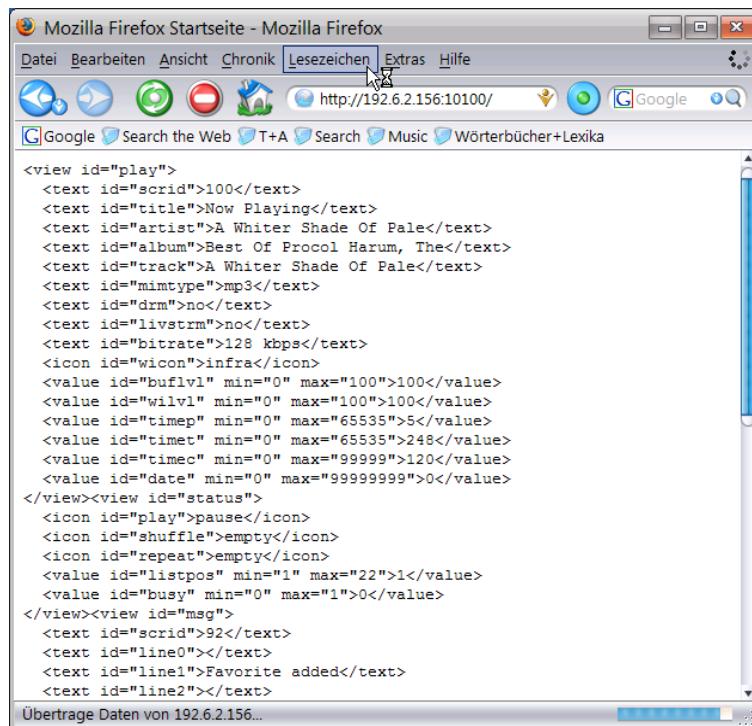
The MusicPlayer will automatically output updated information reflecting any changes regarding the audio stream (elapsed playing time etc.) or the operating state of the Player (pause, stop etc.).

Most of the information is self-explanatory. The example below shows a typical output when the MusicPlayer displays its normal "**Now Playing**" view:

```
<text id="title">Now Playing</text>
<text id="artist">Marillion</text>
<text id="album">Marbles (Disc 1)</text>
<text id="track">Invisible Man, The</text>
<text id="mimtype">mp3</text>
<text id="drm">no</text>
<text id="livstrm">no</text>
<text id="bitrate">128 kbps</text>
<icon id="wicon">infra</icon>
<value id="buflvl" min="0" max="100">100</value>
<value id="wilvl" min="0" max="100">100</value>
<value id="timep" min="0" max="65535">28</value>
<value id="timet" min="0" max="65535">817</value>
<value id="timec" min="0" max="99999">46920</value>
<value id="date" min="0" max="99999999">0</value>
```

Besides the text tags like *artist, album, title* etc. some additional information is given:

tag	id	content
text	drm	track with digital rights management [yes, no]
	bitrate	current bitrate of stream [kbps]
	mimtype	mimetype of stream
value	buflvl	ReceiveBuffer level [0...100 %]
	wilvl	W-LAN field strength [0...100 %]
	timep	elapsed playing time of current track [sec]
	timet	total time of current track [sec]

In **NAVIGATION** view the output is as follows:

```
<view id="browse">
  <text id="scrid">90</text>
  <text id="cbid">6</text>
  <text id="title">Favorites</text>
  <text id="line0" flag="p">Invisible Man, The</text>
  <text id="line1" flag="ps">24h Radio Musicbot</text>
  <text id="line2" flag="p">Alpen Radio</text>
  <icon id="hchyUp">hchyUp</icon>
  <icon id="hchyDn">empty</icon>
</view>
```

tag	id	content
text	title	window title
	line0...lineN	content of display line 1...N
icon	hchyUp	[empty, hchyUp] if not empty: navigation upwards (eg. parent directory) is possible
	hchyDn	[empty, hchyDn] if not empty: navigation downwards (eg. subdirectory) is possible

The flags in some of the tags have the following meaning:

flag	meaning
d	directory
ds	directory selected (currently highlighted on the screen)
p	playable item
ps	playable item (currently highlighted on the screen)

<u>Notes:</u>

Minimum required streaming client firmware: 2.0.5.7203