SRT AddOn Quick Reference

SRT AddOn is an after market application that adds SRT functionality to Adtec EN and RD series Encoders and Decoders. The SRT AddOn does not change or impede the functionality of the Adtec EN or RD devices; it adds SRT Caller and Listener functionality to the Adtec devices.

What is the IP Address (IPA) of the SRT AddOn application?

The SRT AddOn web server resides inside the Adtec device. In Chrome enter the IPA of the Adtec device appended with colon (**:**) **:8000** to resolve the SRT AddOn application.

IP Address (IPA) Example Table

Example IP Address (IPA) of the Adtec	SRT AddOn IPA - add **:8000** after the Adtec IPA.
192.168.1.155	192.168.1.155:**8000**
10.10.12.13	10.10.12.13:**8000**

Are there credentials for the SRT AddOn application?

There are **NO** credentials on the SRT AddOn. The SRT AddOn resolves at the IPA and port 8000 on the Adtec device and there are no credentials (user name or password) required.

About SSL and Security on Adtec Devices

Adtec EN and RD devices were very innovative when initially developed. They used early internet tools and received upgrades over time. They are not modern internet devices and they do not support SSL certificates and HTTPS. All Adtec devices resolve at their IPA on the standard HTTP port 80. They are credentialled and require a user name and password. If you have an Adtec device behind a firewall and want access to it on port 80 and the SRT AddOn on port 8000, both ports must be Network Address Translated (NAT) to access them remotely. Adtec device quick start guides, manuals and last known Adtec firmware are located here.

IP Address (IPA) Port and Credential Table

| Adtec Device IPA	Adtec Device Port	User Name / PW	SRT AddOn IPA	Port
192.168.1.155	80	UN adtec PW: none	192.168.1.155:8000	8000

Kevin Ancelin
Co-Founder TxRx Data.com

Initial SRT AddOn Installation

Download the SRT AddOn Application and Documentation

TxRx Data keeps the SRT AddOn application here. You can download the SRT AddOn application for your Adtec Device's host platform (iolite or sapphire), the quick start (this document) and the manual too. The applications on the download site are **.zip** files and must be decompressed prior to uploading to your Adtec device. The Adtec devices will only install the file ending in **.sh**. The zip file assists with the download only.

Uploading the SRT AddOn Application

Use the Adtec File Upload to load the SRT AddOn application to the Adtec device. **Only load the .sh file, not the .zip file to the Adtec device**. The Upload button is located in the top right area of the Adtec device web page (GUI). It is between the Logs and Thumbnail buttons.
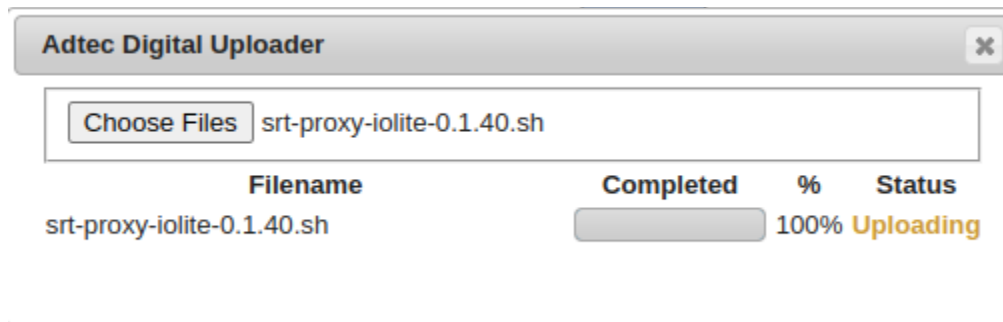
To execute the application for the first time, the user must SSH into the Adtec device and run the ***srt-proxy-<host platform>-x.yy.zz.sh*** file. **Do NOT upload the .zip file to the Adtec.**

SSH and executing the initial SRT Application

x@4202x-ws21-lab:~$ ssh root@192.168.1.155
root@192.168.1.155's password: (**contact TxRx data for SSH root password**)
Successfully logged in.
root@RD-70-201511015:~# sh /media/hd0/media/***srt-proxy-iolite-0.1.40.sh***
Verifying archive integrity... MD5 checksums are OK. All good.
Uncompressing package_dir installer

Kevin Ancelin
Co-Founder TxRx Data.com

Starting srt-proxy daemon...Done.
root@RD-70-201511015:

Adtec devices were early internet devices and SSH has matured significantly. It is probable that your terminal and the Adtec device may not be compatible. If you are challenged with this reply after entering: ssh root@<your IP Address>.

"Unable to negotiate with <your IP Address> port 22: no matching key exchange method found.

Use the following ssh command to resolve this challenge.

ssh -o KexAlgorithms=+diffie-hellman-group1-sha1 -o HostKeyAlgorithms=+ssh-dss -o MACs=+hmac-sha1 root@<your IP Address>

TxRx Data will provide remote SSH implementation via Teamviewer or will support a technician familiar with SSH.

Table of Adtec EN and RD Devices

Model	Host Platform	SRT AES Support	AAC Audio	Tested performance
RD60	Iolite	No	No	10 Mbs with no encryption or decryption and no AAC audio decode
RD70	Iolite	No	No	10 Mbs with no encryption or decryption and no AAC audio decode
RD71	Sapphie	Yes	Yes	15 Mbs with no encryption or decryption with AAC audio decode
EN40/80/81	Iolite	No	No	10 Mbs with no encryption or decryption and no AAC audio decode
EN91	Iolite	No	No	10 Mbs with no encryption or decryption and no AAC audio decode
EN100	Iolite	No	Yes	10 Mbs with no encryption or decryption with AAC audio decode
EN200/210	Sapphire	Yes	Yes	15 Mbs with no encryption or decryption with AAC audio decode

TxRx Data has Adtec documentation and last known firmware here.

Licensing the SRT AddOn Application

Once installed, the SRT AddOn will require a license key to function. Resolve to the SRT AddOn application at the Adtec device's IPA**:8000**. Example **192.168.1.155:8000** for an Adtec device at the IPA of **192.168.1.155**.

The Product ID field has a hyperlink that emails the Product ID to TxRx Data.

Paste the Feature key you receive from TxRx Data in the Feature Key field and click submit.

SRT AddOn header showing valid Product ID feature key. It is recommended to copy and paste this key somewhere to keep in your records.

Please reference the SRT AddOn Manual for Adtec device configuration requirements and use of the SRT AddOn application.

Preserving your SRT AddOn Licensing Key

Please copy the Key provided to you and save it to a text file. If you change the firmware on your Adtec device, the SRT AddOn application and key will be removed during that process.

Kevin Ancelin
Co-Founder TxRx Data.com