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commit [fd7bb97ede487b9f075707b7408a9073e0d474b1](#) (patch)
tree [6a4bf9ae3cb5aacd9ca8fe1463074263257b0170](#)
parent [39cb5a29cd60866616b9378beac329ce6cc91f7a](#) (diff)
download [linux-fd7bb97ede487b9f075707b7408a9073e0d474b1.tar.gz](#)

diff options

context:
space:
mode:

media: mediatek: vcodec: Fix a resource leak related to the scp device in FW initialization

commit 4936cd5817af35d23e4d283f48fa59a18ef481e4 upstream.

On Mediatek devices with a system companion processor (SCP) the mtk_scp structure has to be removed explicitly to avoid a resource leak. Free the structure in case the allocation of the firmware structure fails during the firmware initialization.

Fixes: 53dbe0850444 ("media: mtk-vcodec: potential null pointer deference in SCP")
Cc: stable@vger.kernel.org
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Diffstat

-rw-r--r-- drivers/media/platform/mediatek/vcodec/common/mtk_vcodec_fw_scp.c 5

1 files changed, 4 insertions, 1 deletions

```
diff --git a/drivers/media/platform/mediatek/vcodec/common/mtk_vcodec_fw_scp.c b/drivers/media/platform/mediatek/vcodec/common/mtk_vcodec_fw_scp.c
index 774487fb72a319..93579a7009a7bc 100644
--- a/drivers/media/platform/mediatek/vcodec/common/mtk_vcodec_fw_scp.c
+++ b/drivers/media/platform/mediatek/vcodec/common/mtk_vcodec_fw_scp.c
@@ -79,8 +79,11 @@ struct mtk_vcodec_fw {
 }

 fw = devm_kzalloc(&plat_dev->dev, sizeof(*fw), GFP_KERNEL);
- if (!fw)
+ if (!fw) {
+     scp_put(scp);
+     return ERR_PTR(-ENOMEM);
+ }

 fw->type = SCP;
 fw->ops = &mtk_vcodec_rproc_msg;
 fw->scp = scp;
```