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commit [ac94e1db4b2053059779472eb58a64d504964240](#) (patch)
tree [2611098040fbd4636e1ebad7df2ed6354e099a2](#)
parent [b1f676bde3df3775bbcd0e4b92a1e9e66e8376af](#) (diff)
download [linux-ac94e1db4b2053059779472eb58a64d504964240.tar.gz](#)

diff options

context: 3
space: include
mode: unified

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 ff23b225db705a..1b0bc47355c05f 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 *mtk_vcodec_fw_init(void *priv, enum mtk_vcodec_fw_use
 }

 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;