



## ARRI TECHNICAL NOTE P - 1003

### Reverse Ramps July 18, 2000

#### Summary

This note describes how to create and execute reverse ramps with the new generation of Arriflex cameras.

#### Definitions

A controlled change of the camera's frame rate (fps), performed while the camera is running, is called a "ramp". Please note that switching between the NORM and PS/CCU speed setting on the new cameras, or between crystal and variable speeds on a 35-3, are wild speed changes (not controlled), and are not considered ramps. A "Reverse Ramp" is a ramp during which the camera runs at reverse speeds.

#### 16SR 3, 16SR 3 HS

No reverse ramps are possible, since the 16SR 3 does not run in reverse.

#### 535

Reverse ramps are not possible, since the 535 does not allow a change of the fps while running in reverse.

#### 535B, 435 & 435ES with CCU, LCC or RPC

- Create an internal ramp with the CCU, LCC or RPC.
- Send it to the camera.
- Set the camera to a reverse speed.
- Push the PROG button on the camera.

This will activate the ramp. The ramp will run in reverse. So a 3 to 30 fps ramp becomes a -3 to -30 fps ramp.

Remember: Change camera to run in reverse before activating the internal program.

Note: No reverse external programs are currently possible with the LCC. Use the RCU instead.

#### 535B, 435 & 435ES with RCU

- While the camera is in Standby, switch the REV/FOR rotary switch on the RCU to the REV position to run a ramp in reverse.  
The running direction can be reversed in CAM mode (for activating and executing internal ramps) as well as in any of the RCU modes (for creating, activating and executing external ramps).

For more information on this issue, please contact your local ARRI representative.