

## Product Note 71

### PCI Controller Interface for Focus Programmable Tuners

Focus Microwaves programmable tuners, CCMT, PMT and PHT have been controlled, since 1990, by a reliable interface card, model CC-1 or CC-2, for control of 1 or 2 tuners respectively. This interface card has been upgraded to support also remote RF switches and control up to 4 axes simultaneously, for the pre-matching tuners PMT. These cards were based on the, meanwhile phasing out ISA bus standard for PC's.

The new generation of tuner controller cards, model PCI-CC-1 /2 have the same control capability as the old ISA cards, but are compatible with the actual PCI bus standard in PC's. The PCI-CC cards are also plug and play, thus eliminating some annoying address conflict issues occurring occasionally with the ISA version.

The new PCI-CC cards are supported by versions 7.6 and later of the software. Previously released versions are not compatible with the new cards.

Electrically the PCI-CCs are fully compatible with all existing tuners. In fact it uses the same design as the ISA version but includes a translation chip that establishes the communication of the tuner control signals with the PCI standard.

#### Specifications

- Axis Control: 4 max (PMT)
- Motor Speed: 50–1000 Steps/sec
- DC power: 12V, 2A max (from PC or external power supply)
- Card Address: Plug & Play
- Tuner Control: Compatible with all existing tuners, using standard tuner cables.
- RF switch control: Up to 2 switches via Focus Switch Control Box (SCB).

