



HFC *Enhance*[®]

D3.1/CCAP™
Compliant

C-Cor HECE1G 1GHz Line Extender (with AGC)

INSTALLATION & OPERATION MANUAL

Although every effort has been taken to ensure the accuracy of this document it may be necessary, without notice, to make amendments or correct omissions. Specifications subject to change without notice.

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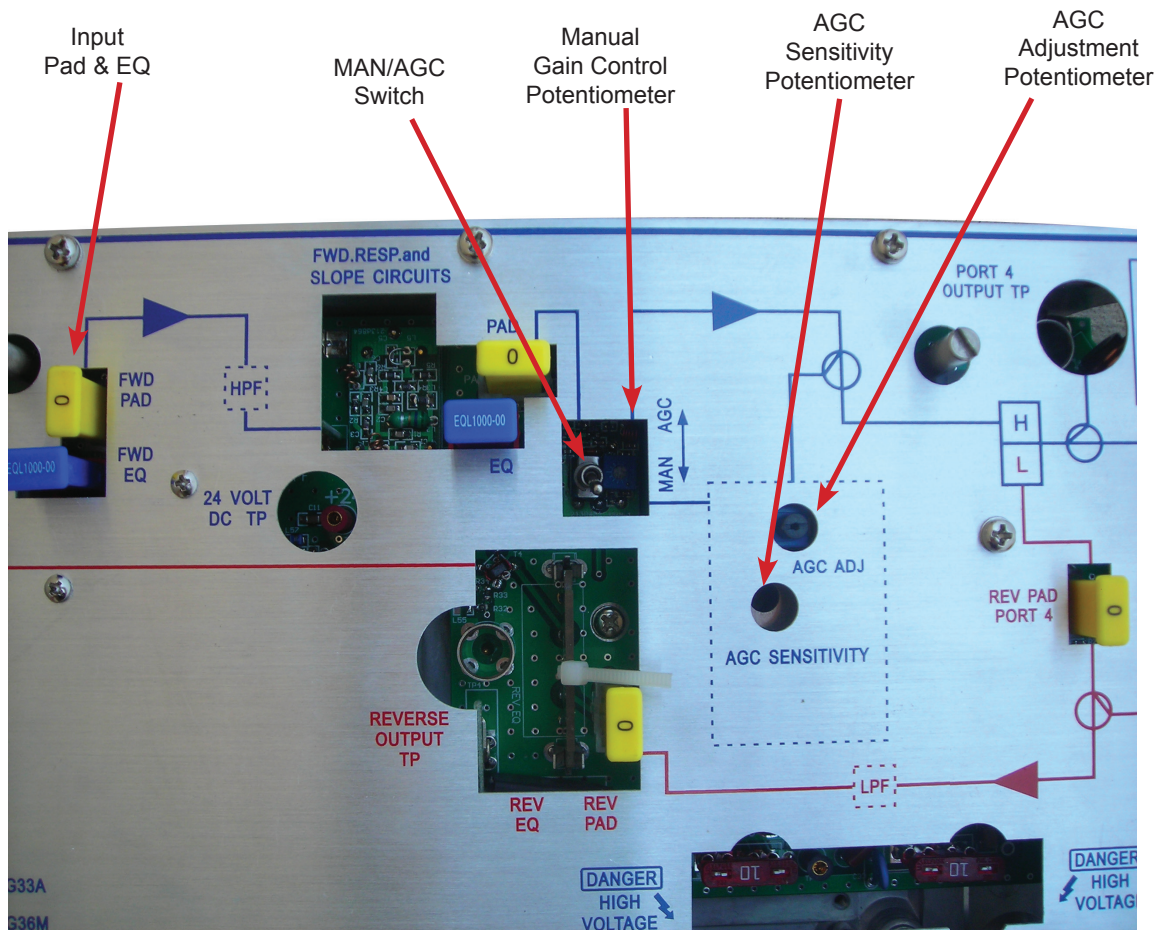
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SET-UP PROCEDURES

1. Set-up Procedures

1. Check input levels at PORT 1 Input Test Point to make sure they are sufficient.
2. Use Manual mode to get the correct output levels, these levels will be used to set-up the AGC.
 - a) Set the MAN/AGC switch to MAN (see figure below).
 - b) Connect signal level meter to PORT 4 Output Test Point and set it to the pilot frequency.
 - c) Adjust the manual gain control potentiometer so the amp has the highest output level. Then adjust the potentiometer to reduce the gain by 3 dB. This allows the 3 dB room for AGC circuit to work with.
 - d) Add appropriate Pad and EQ at input to get desired levels at different frequencies. Set the signal level meter back to the pilot frequency when this step is done and record the level.
3. Set the output level on AGC mode:
 - a) Set the MAN/AGC switch to AGC
 - b) Adjust AGC ADJ potentiometer to make sure the output level at the pilot frequency has at least 6 dB of range.
 - c) If there is 6 dB or more range, adjust MAN/AGC potentiometer to set the output level to be the same as the level recorded on step 2 d.
 - d) If there is not enough range, adjust AGC SENSIBILITY potentiometer slightly and go back to step b. It may need to repeat these steps until the 6 dB range is achieved.
 - e) Adjust AGC ADJ to get the same RF level at the pilot frequency as recorded in Step 2 d.



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SERVICE & SUPPORT

2. Service & Support

2.1 Contact ATX Networks

Please contact ATX Technical Support for assistance with any ATX products. Please contact ATX Customer Service to obtain a valid RMA number for any ATX products that require service and are in or out-of-warranty before returning a failed module to the factory.

RF Products

(MAXNET, SignalOn, HFC Enhance, PCI Filters, Q-Series, SCN, SMAC, FiberLinx)

TECHNICAL SUPPORT

Tel: (905) 428-6068 – press *3 then press 2
Toll Free: (800) 565-7488 – press *3 then press 2 (USA & Canada only)
Email: rfsupport@atxnetworks.com

CUSTOMER SERVICE

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Fax: (905) 427-1964
Toll Free Fax: (866) 427-1964 (USA & Canada only)
Email: support@atxnetworks.com
Web: www.atxnetworks.com

2.2 Warranty Information

The ATX Networks HECE1G has a one year warranty and is subject to ATX Networks' standard warrantee terms. There are no user serviceable components inside the unit. The warranty is void if the unit is opened or is damaged due to misuse.



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