



CATV Equipment Repair

Pricing – September 2007

Fixed Right First Time Guarantee. At any time a module is returned to 4Cable TV as a non working repaired unit, and it is verified as a qualified warranty repair, then 4Cable TV will repair the unit and will issue a credit equal to double the original amount charged for the repair.

The two Founders of 4 Cable TV have over 80 years of combined experience in Cable TV. Between the two of them, they have built thousands of miles of plant, overseen the repair of thousands of CATV amplifiers and have engineered and overseen numerous successful amplifier module upgrades.

Steven K. Richey is the President and CEO of **4Cable TV**. Prior to founding **4Cable TV** he was Vice President New Product Development at dB-tronics, where he was responsible for all of the final engineering and any new board designs needed to upgrade thousand of amplifiers that are now in operation. Steve brings over 41 years of varied CATV experience to **4Cable**, including being in charge of repairs at a major manufacturer (AMECO) and former Chief Engineer at CADCO. While at CADCO he coined the term “Emergency Alert System “ and developed the First Emergency Alert System and the First Comb Generator based Emergency Alert System in 1972. Later he developed the first satellite block down converter now used in all satellite systems. He was the owner/operator of 8 CATV systems in Texas and Oklahoma and went on to build a 20,000 customer, Private Cable operation. In the early 1990's as a International Long Distance operator he was involved some of the first VoIP experiments.

Andrew F. Staniak, is the Vice President and CTO of **4Cable TV** Prior to co- founding **4Cable TV** he was the CTO of dB-tronics and did the research and qualifications on over 100 amplifier bandwidth upgrades. Andrew brings more that 40 years of varied CATV experience to 4Cable including directing the ANTEC Design Validation Laboratory. While at ANTEC Andrew was charged with evaluating the best GaAs hybrids for the new generation of fiber nodes and RF amplifiers. He has been directly responsible for the Engineering management of many thousands of miles of CATV system construction. At 4Cable he is responsible for making sure that all of our designs and repairs adhere strictly to the agreed upon and published specifications.

100% of all repaired distribution equipment is tested with one of our Three MATRIX Distortion Test Stations to ensure that it meets the original manufacturer's specifications for CTB, CSO, XMOD and low frequency distortions.

There is a common belief in the CATV world that unless an amplifier has had its hybrid replaced, there is no need to check the distortion numbers. We have determined that a significant number of amplifiers that go through our repair facility do not meet the published distortion specifications upon final test, even though we have not replaced any active RF device. This degradation is caused by many factors such as age, overheating of the hybrid, voltage transients (which caused damage but not failure) and other factors.

Because of this, we send **EVERY AMPLIFIER** that is repaired in our facility through a final QC. At this QC location we recheck the swept response, AC hum, CTB, CSO and XMOD. The final distortion numbers are recorded on a sticker attached to your amplifier and returned to you.

In addition to our great pricing on Headend repair, we offer our customers the greatest flexibility possible; we currently have three different pricing plans for Distribution Equipment repair:

- **Absolute Flat Rate**
- **Flat Rate plus Major Parts**
- **Labor Plus Parts**

SC Sales and Repair Center

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service@4Cable.tv
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Distribution Equipment - Absolute Flat Rate*			
Item Fixed Right First Time Guarantee.***	Clean & Screen	Repair W/6 mo. warranty	Repair W/12 Mo. 100% enhanced warranty
Amplifier - Trunk/Bridger/Distribution Amp	\$9.95	\$60.00	\$66.00
Amplifier - Trunk/Bridger/Distribution Amp w/AGC	\$9.95	\$65.00	\$71.00
Amplifier - Trunk/Bridger/Distribution Amp w/on board return	\$9.95	\$70.00	\$76.00
Amplifier - Trunk/Bridger/Distribution Amp w/on board return & AGC	\$9.95	\$75.00	\$81.00
Amplifier - System/Network/Multi-function Amp	\$9.95	\$60.00	\$66.00
Amplifier - System/Network/Multi-function Amp w/AGC	\$9.95	\$65.00	\$71.00
Amplifier - System/Network/Multi-function Amp w/on board return	\$9.95	\$70.00	\$76.00
Amplifier - System/Network/Multi-function Amp w/on board return & AGC	\$9.95	\$75.00	\$81.00
Amplifier - Return Amp Module	\$9.95	\$40.00	\$46.00
Amplifier - Return Amp Circuit Board	\$9.95	\$35.00	\$41.00
Amp Power Supply - Trunk/Dist Amp (non Switching)	\$9.95	\$50.00	\$56.00
Amp Power Supply - Trunk/Dist Amp (Switching)	\$9.95	\$60.00	\$66.00
Amp Motherboard - Chassis	\$9.95	\$50.00	\$56.00
Line Extender - LE with AGC	\$9.95	\$55.00	\$61.00
Line Extender - LE without AGC	\$9.95	\$50.00	\$56.00
Line Extender - Add for on Board Return Amp	-N/A-	\$15.00	\$21.00
Control - AGC/ASC/ACM	\$9.95	\$50.00	\$56.00
GaAs Amp Hybrid and MMIC Premium Charge	-N/A-	\$20.00	\$26.00
Feed forward Premium Charge	-N/A-	\$20.00	\$26.00
Emergency Handling 2 Working Day turnaround	-N/A-	\$17.50	\$17.50
Bench Fee**	-N/A-	\$20.00	-N/A-
Housing Refurbish - System/Network Amp	\$9.95	\$60.00	-N/A-
Housing Refurbish - Trunk/Bridger/Dist Amp	\$9.95	\$60.00	-N/A-
Housing Refurbish - Line Extender	\$9.95	\$35.00	-N/A-

* Price listed includes restoring amplifier to original factory specifications and final QC with Matrix multiple frequency signal generator. Warranty covers parts and workmanship for 6 months but does not cover acts of nature, water, or voltage damage or customer abuse. Enhanced warranty covers the entire module for 12 months but does not cover acts of nature, water, or voltage damage or customer abuse. 4Cable's absolute Flat Rate repair only applies if the customer warrants that all units sent in for repair will be absolute run of service units and that there will be no sorting, culling, or any adjusting of the units which would cause 4Cable to get anything other than a normal mix of problems

** Bench Fees charged for units that are returned as NON-FEAS or for any unit not repaired or for modules returned for repair warranty that are found to be working properly.

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Distribution Equipment - Flat Rate plus Major Parts*			
Item <u>Fixed Right First Time Guarantee.**</u>	Clean & Screen	Repair W/6 mo. warranty	Repair W/12 Mo. 100% enhanced warranty
Amplifier - Trunk/Bridger/Distribution Amp	\$9.95	\$28.45	\$34.45
Amplifier - Trunk/Bridger/Distribution Amp w/AGC	\$9.95	\$33.45	\$39.45
Amplifier - Trunk/Bridger/Distribution Amp w/on board return	\$9.95	\$33.45	\$39.45
Amplifier - Trunk/Bridger/Distribution Amp w/on board return & AGC	\$9.95	\$38.45	\$44.45
Amplifier - System/Network/Multi-function Amp	\$9.95	\$40.45	\$46.45
Amplifier - System/Network/Multi-function Amp w/AGC	\$9.95	\$45.45	\$51.45
Amplifier - System/Network/Multi-function Amp w/on board return	\$9.95	\$45.45	\$51.45
Amplifier - System/Network/Multi-function Amp w/on board return & AGC	\$9.95	\$50.45	\$56.45
Amplifier - Return Amp Module	\$9.95	\$34.45	\$40.45
Amplifier - Return Amp Circuit Board	\$9.95	\$25.45	\$31.45
Amplifier - Modifications and Upgrades	-N/A-	- Call -	-N/A-
Amp Power Supply - Trunk/Dist Amp (non Switching)	\$9.95	\$28.45	\$34.45
Amp Power Supply - Trunk/Dist Amp (Switching)	\$9.95	\$33.45	\$39.45
Amp Motherboard - Chassis	\$9.95	\$36.45	\$42.45
Line Extender - LE with AGC	\$9.95	\$33.45	\$39.45
Line Extender - LE without AGC	\$9.95	\$28.45	\$34.45
Line Extender - Add for on Board Return Amp	\$9.95	\$10.00	\$16.00
Control - AGC/ASC/ACM	\$9.95	\$28.45	\$34.45
Emergency Handling 2 Working Day turnaround	-N/A-	\$17.50	\$17.50
Bench Fee**	-N/A-	\$20.00	-N/A-
Housing Refurbish – System/Network Amp	\$9.95	\$40.45	-N/A-
Housing Refurbish – Trunk/Bridger/Dist Amp	\$9.95	\$34.45	-N/A-
Housing Refurbish – Line Extender	\$9.95	\$28.95	-N/A-
Nodes – Fiber – Receiver – Transmitter	\$9.95	\$72.00	Not Available

* Price listed includes restoring amplifier to original factory specifications and final QC with Matrix multiple frequency signal generator and all parts except GaAs MMIC's, hybrids, feedforward amps, power transformers, Power Transistors, high current Zeners, lasers, laser receivers, photodiodes, fiber pigtailed and covers Warranty covers parts and workmanship for 6 months but does not cover acts of nature, water, or voltage damage or customer abuse. Enhanced warranty covers the entire module for 12 months but does not cover acts of nature, water, or voltage damage or customer abuse.

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Distribution Equipment - Labor Plus Parts*			
Item <u>Fixed Right First Time Guarantee.**</u>	Clean & Screen	Repair 550 MHz and Below	Repair 750 MHz and Above
Amplifier – Trunk/Bridger/Distribution Amp	\$9.95	\$22.45	\$24.45
Amplifier – Trunk/Bridger/Distribution Amp w/AGC	\$9.95	\$25.45	\$27.45
Amplifier – Trunk/Bridger/Distribution Amp w/on board return	\$9.95	\$25.45	\$27.45
Amplifier – Trunk/Bridger/Distribution Amp w/on board return & AGC	\$9.95	\$28.45	\$30.45
Amplifier – System/Network/Multi-function Amp	\$9.95	\$33.45	\$35.45
Amplifier – System/Network/Multi-function Amp w/AGC	\$9.95	\$35.45	\$37.45
Amplifier – System/Network/Multi-function Amp w/on board return	\$9.95	\$35.45	\$37.45
Amplifier – System/Network/Multi-function Amp w/on board return & AGC	\$9.95	\$40.45	\$42.45
Amplifier – Return Amp Module	\$9.95	\$28.45	\$30.45
Amplifier – Return Amp Circuit Board	\$9.95	\$20.45	\$22.45
Amplifier – Modifications and Upgrades	-N/A-	- Call -	-N/A-
Amp Power Supply – Trunk/Dist Amp (non Switching)	\$9.95	\$23.45	\$25.45
Amp Power Supply – Trunk/Dist Amp (Switching)	\$9.95	\$28.45	\$30.45
Amp Motherboard – Chassis	\$9.95	\$30.45	\$32.45
Line Extender – LE with AGC	\$9.95	\$27.45	\$29.45
Line Extender – LE without AGC	\$9.95	\$23.45	\$25.45
Line Extender – Add for on Board Return Amp	\$9.95	\$10.00	\$10.00
Control – AGC/ASC/ACM	\$9.95	\$23.45	\$35.45
Emergency Handling 2 Working Day turnaround	-N/A-	\$17.50	\$17.50
Bench Fee**	-N/A-	\$20.00	-N/A-
Housing Refurbish – System/Network Amp	\$9.95	\$37.45	\$39.45
Housing Refurbish – Trunk/Bridger/Dist Amp	\$9.95	\$35.45	\$37.45
Housing Refurbish – Line Extender	\$9.95	\$27.95	29.45
Nodes – Fiber – Receiver – Transmitter	\$9.95	\$72.00	\$72.00

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Headend, Test and Misc. Equipment		
Item	Clean & Screen	Repair
Agile Unit – Receiver, Processor, Modulator	\$54.95	\$160.45
Fixed Unit – Receiver, Processor, Modulator	\$54.95	\$135.45
Fixed Unit – Channel Change: Processor, Modulator -	- N/A -	Call
Module – Processor, Modulator, Demodulator	\$54.95	\$110.45
Assembly – SA 6150/6350 Complete Drawer Set	\$54.95	\$235.50

Pick Up

**We will pick up your equipment anywhere within a 350 mile radius of Conway SC
Call to arrange Pick UP**

ONE WEEK REPAIR

We will limit the number of customers we accept so that we can guarantee that 90% of your repairs will be completed in 1 week from receipt.

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